

# COMPANY PROFILE

Ideal Piping Solutions for Everyone



---

RIIFO Group International Holdings Limited

Email: [sales@riifo.com](mailto:sales@riifo.com)

[www.riifo.com](http://www.riifo.com)

Revised on January 1st, 2022

**RIIFO**

# CONTENTS

## 03 COMPANY PROFILE

## 04 INNOVATION

## 05 MANUFACTURING

Production Capacity .....	07
Production Facility .....	08
Storage Capacity .....	09
Storage Facility .....	11
Green Development .....	13

## 15 GLOBAL MARKET

## 17 PRODUCT SYSTEMS

Multilayer Plumbing System .....	19
PP-R Plumbing System .....	21
PEX Plumbing System .....	23
Gas Piping System .....	25
PVC Drainage System .....	27
Underfloor Heating System .....	29
A/C Piping System .....	31
PVC Conduit .....	33
Infrastructure .....	35

## 37 HONOR & CERTIFICATION

Group Honor .....	37
Product Certification .....	37

## 39 PROJECT SHOWCASE

Multilayer Plumbing System .....	41
Multilayer Gas System .....	75
PP-R Plumbing System .....	87
PEX Plumbing System .....	103
Underfloor Heating System .....	105
PVC Conduit .....	109
Multilayer Air-Conditioning Piping System .....	113
PVC Drainage System .....	114
Project List .....	117

## 121 APPENDIX I

Group Certification .....	121
Multilayer Plumbing System .....	124
PP-R Plumbing System .....	151
PEX Plumbing System .....	162
Gas Piping System .....	166
Underfloor Heating System .....	175
PVC Drainage System .....	180



## INNOVATION

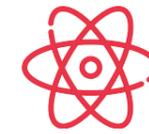
Believing that innovation is the key to going beyond the ordinary, RIIFO has founded one world-class lab recognized and certified by CNAS. Over 600 innovation talents have spared no effort to challenge industrial boundaries, achieving 923 patents and 20 technology awards.

This innovative passion has perfectly presented on high-quality products and outstanding services.



**200**

million USD



**1**

world-class lab  
certified by CNAS



**923**

patents

## COMPANY PROFILE

RIIFO is a leading multinational corporation, providing one-stop piping solutions applied in residential, commercial, agricultural, industrial, and infrastructural sectors. With over 8,000 employees, 70 branches & subsidiaries, and 300,000 distributors, we have served customers in more than 100 countries and regions since 1996.

With an integrated value chain, from R&D to manufacturing and retail distribution, we strive to fulfill our mission of offering ideal piping products and services to everyone.



The world-leading lab certified by CNAS

# MANUFACTURING

RIIFO uses highly automated production lines with the most rigorous and comprehensive production control and management system to handle such a powerful production.

**10**

production bases

**200**

hectares area totally



Foshan, CHN



Hubei, CHN



Tianjin, CHN



Guangdong, CHN (Intelligent)



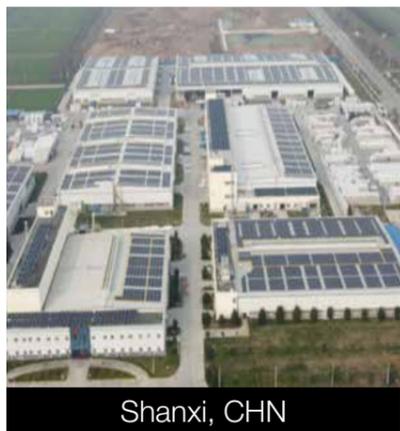
Jilin, CHN



Ethiopia



Chongqing, CHN



Shanxi, CHN



Indonesia



Jiangsu, CHN



**4,000+**

automated  
production lines

**5200+**

production staff



RIIFO PP-R Pipe automated production lines



Injection machines in RIIFO production bases

## Production Capacity

**3.2 billion** m/yr for pipes

**1.3 billion** pcs/yr for fittings

**250 million** pcs/yr for brass hardware fittings

## Production Facility

**1250+**

injection machines

**680+**

extrusion machines

**120+**

automatic forging  
machines

**850+**

CNC machines



RIIFO PEX pipes automated production lines

## Storage Capacity

**1,735,000 m<sup>3</sup>**



## Storage Facility

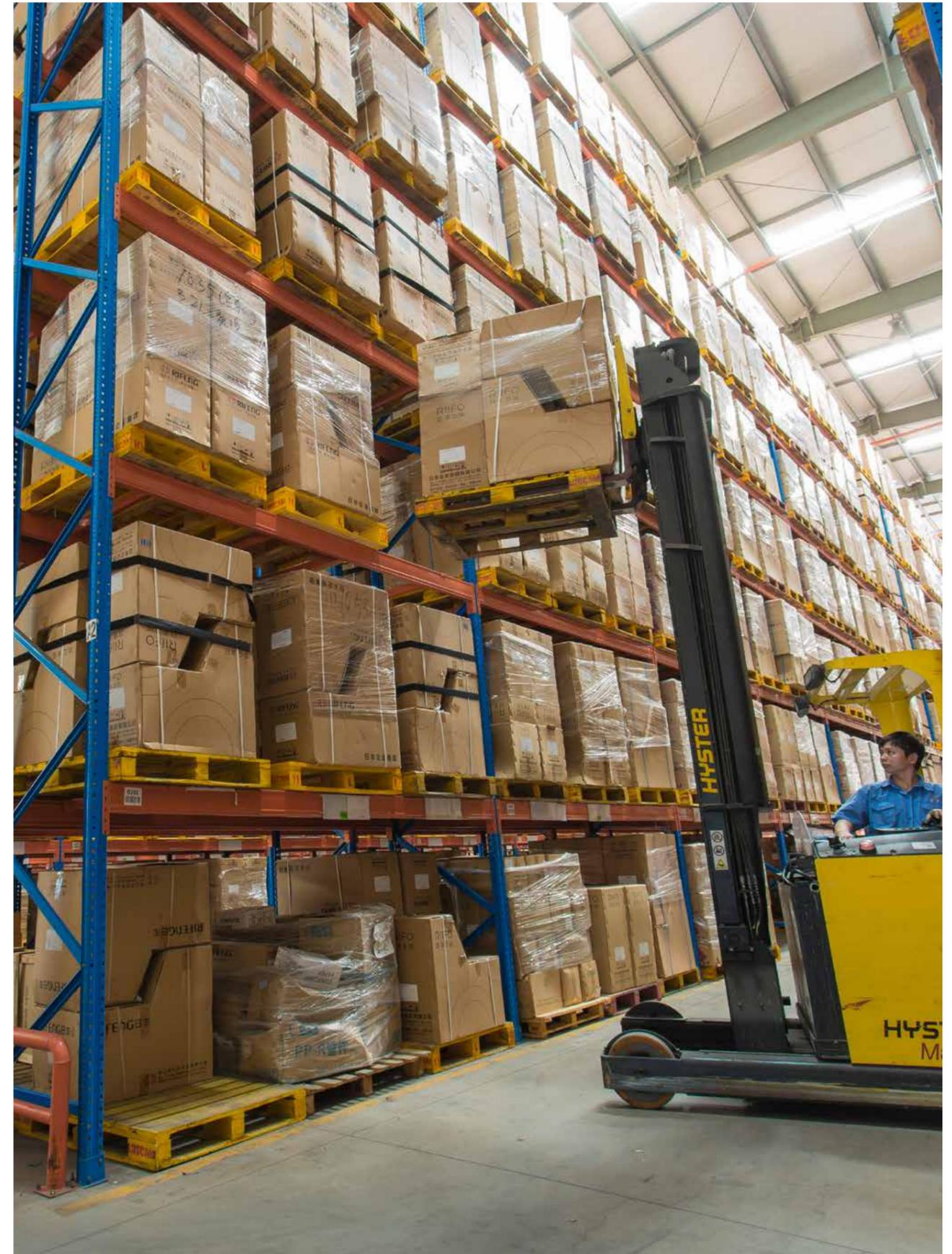
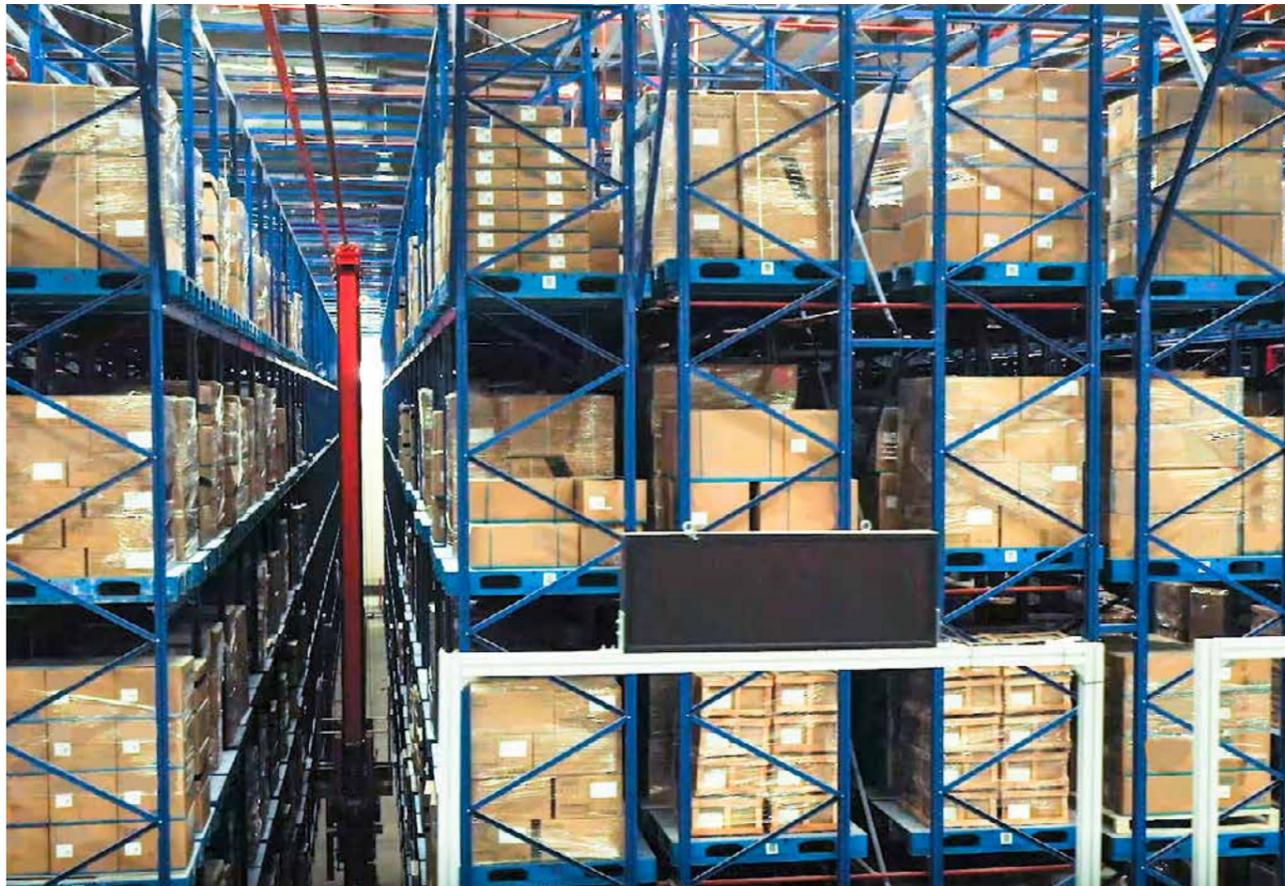
---

**60**

mechanical arms by  
the conveyor belts

**11,500 m<sup>2</sup>**

automatic vertical warehouse



## Sustainable Development

As an advocate and practitioner of sustainable development, RIIFO always strives to be at the forefront of improving our environment. To date, RIIFO has invested 19 million dollars in installing solar panels, leading the global piping industry forward to high-quality and sustainable development step by step.

**290,000**

square metres of solar panels

**-2,510**

tons of dust emission

**-9,200**

tons of CO<sub>2</sub> emission

**25 million**

kWh of electricity annually

**-3,000**

tons of coal

**-280**

tons of SO<sub>2</sub> emission



# GLOBAL MARKET

Based on our strong ability in innovation and manufacturing, we can produce products which are highly recognized by customers around the world. With our customer-oriented services, as well as efficient marketing and branding, we don't merely connect person to person, but city to city, and even a world. RIIFO will be always stand by you whenever you need it.

**100**  
countries & regions

**300,000**  
distributors

**1.5 million**  
registered plumbers



## Subsidiaries around the World



**RIIFO MEXICO, S de RL de CV**

Location: C. La Rioja 2914, Colomos Providencia, 44620 Guadalajara, Jal  
Email: info.mx@riifo.com



**RIIFO North America Inc.**

Location: 1650 Horizon Parkw1650 Horizon Parkway NE Suite 100 Buford, GA 30518ay NE  
Email: info@riifo.com



**PT Rifeng International Indonesia**

Location: Rukan Puri Mutiara Blok A No. 92, Jl. Griya Utama, RT.2/RW.5, Sunter Agung, Tanjung Priok, North Jakarta City, Jakarta 14350, Indonesia  
Email: sales.jkt@rifeng.id



**RIIFO Tanzania Limited**

Location: C801 Palm Village, Plot 119, Mikocheni Industrial Area, Dar Es Salaam  
Email: info.tz@riifo.com



**RIIFO Vietnam Company Limited**

Location: No. 47/384 Lach Tray, Dang Giang Ward, Ngo Quyen District, Hai Phong City, Vietnam  
Email: info.vn@riifo.com

**RIIFO Philippines**

Location: 41 San Juan St., Bgy. Kapitolyo, Pasig City, Philippines 1603  
Email: info.ph@riifo.com

**RIIFO EU**

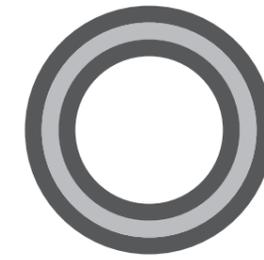
Email: info.eu@riifo.com

**RIIFO RUS**

Email: info.rus@riifo.com

**RIIFO UK**

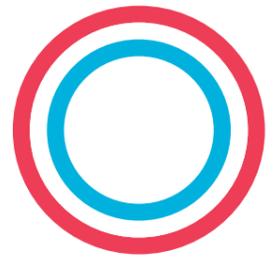
Email: info.uk@riifo.com



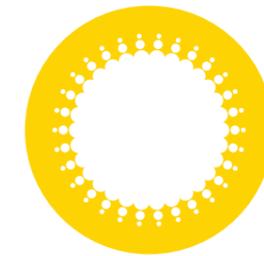
**Multilayer  
Plumbing System**



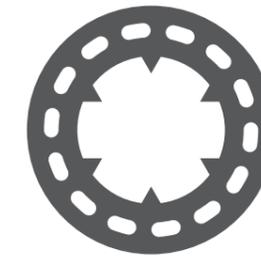
**PP-R  
Plumbing System**



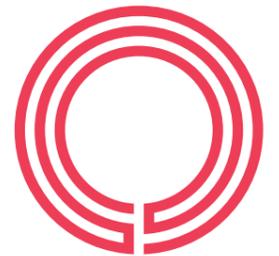
**PEX  
Plumbing System**



**Gas  
Piping System**



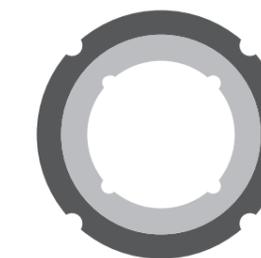
**PVC  
Drainage System**



**Underfloor  
Heating System**



**A/C  
Piping System**



**PVC Conduit**



**Infrastructure**

## PRODUCT SYSTEMS

With 25-years development, RIIFO products have covered a full range of piping solutions applied in residential, commercial, agricultural, industrial and municipal areas. From the perspective of concrete applications, our products can be categorized into 9 systems.



# Multilayer Plumbing System

RIIFO Multilayer Plumbing System is certified by renowned International Standards Organizations such as, NSF and AENOR to guarantee safety and good hygiene of hot and cold water distribution lines. The clean and corrosion-proof Multilayer PEX-AL-PEX Pipes, Brass Fittings and Valves promise reliable and healthy water supply in the residential, commercial and industrial applications.

## Advantages

- 
High flexibility and inherent stability
- 
Pressure-resistant and temperature-resistant (95°C /10bar)
- 
Less fittings needed
- 
Lightweight
- 
Entirely corrosion-resistant
- 
Prevent the permeation of oxygen and light
- 
50 years product lifespan
- 
Smooth inner wall ensures low pressure loss

## Approved Standard

EN ISO 21003 - Multilayer Piping Systems for Hot and Cold Water Installations Inside Buildings

ASTM F1281 - Standard Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe.

DVGW W 534 (P) - Pipe Connectors and Pipe Joints in Drinking Water Installation

DVGW W 542 - Compound Pipes in the Drinking Water Installation; Requirements and Testing

DVGW W 270 - A Method for the Assessment of Enhancement of Microbial Growth on Non-Metallic Materials in Contact with Drinking Water

KTW-BWGL - About Hygienic Property of Material Odor Test

UBA ELASTOM - Guideline for Hygienic Assessment of Elastomers in Contact With Drinking Water

AS 4176.2 & 3 - Multilayer Piping System for Pressure Applications - Multilayer Piping Systems for Hot and Cold Water Plumbing Applications- Pipes & Fittings

XP P41-250 - Effect of Materials on the Quality of Water Intended for Human Consumption - Organic Materials

NSF /ANSI /CAN 61 - Health Effects of Drinking Water System Components

BS 6920 - Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water

CSA B137.10 – Crosslinked polyethylene/aluminum/ crosslinked polyethylene (PEX-AL-PEX) composite pressurepipe systems

IS 15450 – Polyethylene/Aluminum/Polyethylene Composite Pressure Pipes for Hot and cold Water Supplies - Specification





# PP-R Plumbing System

Owing to the smooth inner wall, RIIFO PP-R pipes can prevent deposit accumulation, ensuring people's health as much as possible. What's more, the smooth surface of the inner wall leads faster water flow than other ordinary pipes. With the advantage of high quality and affordable price, RIIFO Plumbing System delivers safer drinking water to customers worldwide.

## Advantages

-  Corrosion-resistant
-  Unique dovetail slot insert design decreases the risk of leakage
-  Lightweight
-  Large radian bend design decreases the pressure loss and increases the flow capacity
-  Clean and non-toxic
-  U-type pipe fittings ensures the connection of the whole house living water
-  Outstanding heat and sound insulation property
-  Homogeneous hot-melt adhesive makes safer and more reliable connections
-  The roughness Ra of surface is as low as 0.4 microns
-  Thirty-six contact points with anti-sliding gears for better sealing performance
-  50 YEARS  
50 years product lifespan

## Approved Standard

NSF/ANSI/CAN 61 – Drinking Water System Components - Health Effects

DVGW W 544 – Plastic Pipe Systems for Drinking Water – PP-R Pipe

DVGW W 534 – Plastic Pipe Systems for Drinking Water – PP-R Fitting

DVGW W 270 – Assessment of Microbiological Growth

KTW-BWGL– Hygienic Property of material Odor Test

BS 6920 – Suitability of non-metallic materials and products for use in contact with water intended for human consumption with regard to their effect on the quality of the water

DIN 8077 – Pipe of Polypropylene - Dimension  
DIN 8078 – Pipe of Polypropylene - General Quality Requirement and testing

DIN 16962 – Fittings and Components for Pressure Systems of Polypropylene

ISO 15874 – Plastic Piping System for Hot and Cold Water Installations – Polypropylene

NMX-E-226/2-CNCP-2007-Plastic industry-polypropylene (PP)pipes for union by thermofusion employed in installations for conveying hot or cold water-metric series-specifications



# PEX Plumbing System

RIIFO PEX Plumbing System, widely used in residential and commercial buildings, is an ideal piping solution for plumbing. With excellent flexibility, RIIFO PEX pipes can be installed fast.

## Advantages



Ultra flexibility for easy and fast installation



Functional at low temperatures without cracking



50 years product lifespan



Excellent oxidation & corrosion resistance



4 times lighter than metal pipes

## Approved Standard

ASTM F876 - Standard Specification for Crosslinked Polyethylene (PEX) Tubing

AWWA C904 - Cross-Linked Polyethylene (PEX) Pressure Pipe, 1/2 In. (12 mm) through 3 In. (76 mm), for Water Service

CSA B137.5 - Crosslinked polyethylene (PEX) tubing systems for pressure applications

ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

CAN/ULC-S102.2 - Standard Method Of Test For Surface Burning Characteristics Of Flooring, Floor Coverings, And Miscellaneous Materials And Assemblies

ASTM F877 - Standard Specification for Crosslinked Polyethylene (PEX) Hot - and Cold-Water Distribution Systems

ASTM F1807 - Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing

ASTM F1960 - Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing

ASME A112.4.14 - Manually operated valves for use in plumbing systems

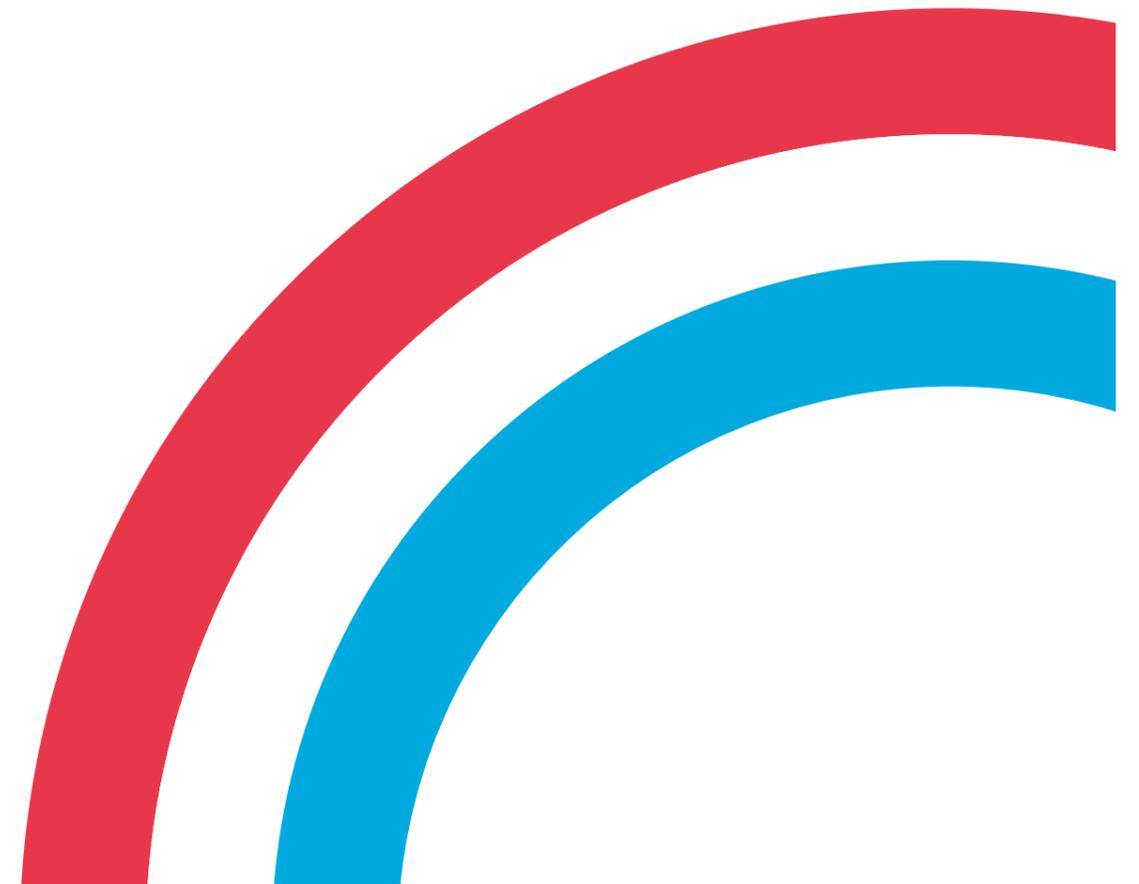
B125.3 - Plumbing fittings

XP P41-250 - Effects of materials on the quality of water intended for human consumption - Organic materials

AS/NZS 2492 - Cross-linked polyethylene (PE-X) pipes for pressure applications

AS/NZS 2537.2 - Mechanical jointing fittings for use with crosslinked polyethylene (PE-X) for pressure applications - Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Fittings (ISO 15875-3:2003, MOD)

NBR 15939-1 - Plastics Piping Systems For Hot And Cold Water Installations - Crosslinked Polyethylene (Pe-x) - Part 1: Requirements And Test Methods





# Gas Piping System

Integrating the advantages of plastic and metal pipes with 5-layer design, RIIFO Gas Piping System features gas-constituents resistance more than  $\geq 20h$  ( $80^{\circ}C, 0.4p_D$ ). Thus, it has stronger performance to prevent gas leakage and fire. RIIFO offers a high-quality, reliable, and safe piping solution for gas distribution.

## Advantages

-  Prevent gas leakage
-  Highly flexible and inherently stable
-  High pressure and temperature resistance
-  50 years product lifespan
-  Excellent oxidation & corrosion resistance
-  Extraordinary chemical resistance
-  The automatic shut-off valve can close automatically when over-pressure or under-pressure

## Approved Standard

UNE 53008-1 - Plastics piping systems. Multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar (500 kPa). Part 1: Specifications for pipes, fittings and the system

ISO 17484-1 - Plastics piping systems — Multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar (500 kPa)

AS 4176.8 - Multilayer pipes for pressure applications  
Multilayer pipe systems for consumer gas installations with a maximum operating pressure up to and including 5 bar (500 kPa) - Specifications for systems (ISO 17484-1:2006, MOD)

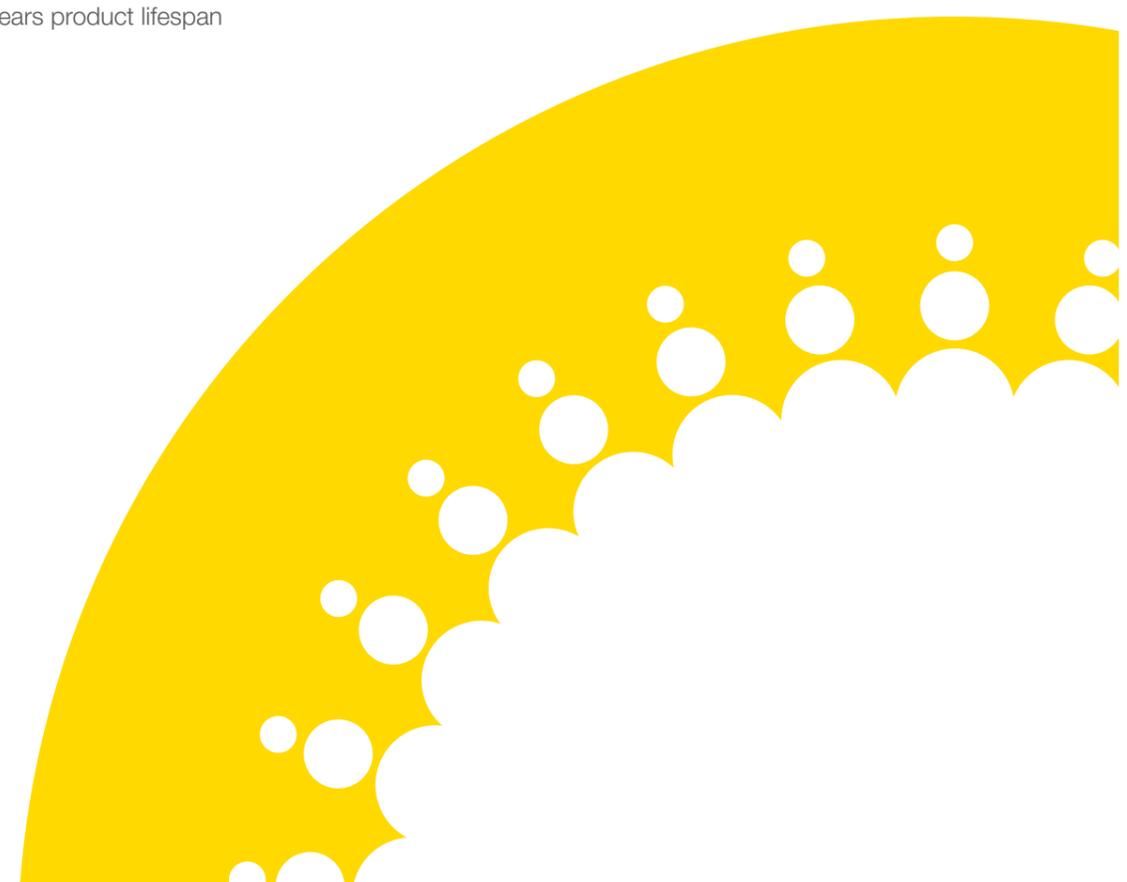
AS 3688 - Water supply and gas systems - Metallic fittings and end connectors

ASTM F1281 - Standard Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe

AS 4617 - Manually operated gas valves

ISO 18225 - Plastics piping systems — Multilayer piping systems for outdoor gas installations — Specifications for systems

NMX-X-021-SCFI-2014 - INDUSTRIA DEL GAS – TUBOS MULTICAPA A BASE DE POLIETILENO Y ALUMINIO PARA LA CONDUCCIÓN DE GAS NATURAL (GN) Y GAS LICUADO DE PETRÓLEO (GLP) – ESPECIFICACIONES Y MÉTODOS DE ENSAYO (CANCELA A LA NMX-X-021-SCFI-2007)





# PVC Drainage System

RIIFO PVC Pipe is mainly made of high-quality polyvinyl chloride resins. With an advantage of high impact resistance, strong flame retardancy and smooth inner wall, RIIFO PVC Drainage System offers perfect solution for water drainage in residential, commercial, and industrial sectors.

## Advantages

-  Lightweight
-  Environmental-friendly
-  High flame retardant rating
-  Easy and safe installation without using special installation tools
-  50 years product lifespan
-  Low coefficient of roughness and smooth walls for faster drainage
-  Outstanding water-proof performance with high-quality adhesive
-  Durability and better tensile strength
-  Flexible enough to pass over 40% of the flattening test without cracking

## Approved Standard

AS/NZS 1260 - PVC-U pipes and fittings for drain, waste and vent applications

ISO 3633 - Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Unplasticized poly(vinyl chloride) (PVC-U)





# Underfloor Heating System

With PEX pipes or multilayer pipes as its pipe circuits, RIIFO Underfloor Heating System offers an energy-efficient and cost-effective solution to heat your room up. The intelligent underfloor heating control pack with manifolds can help you control the temperature precisely for each individual area. Also, with strict raw material selection and exacting production management, RIIFO Underfloor Heating System has outstanding performance on high working pressure and temperature. Hope transfer heating energy by heart and give you a winter with warmth.

## Advantages

- 

Control the temperature precisely for each individual area by manifolds
- 

Outstanding thermal conductivity
- 

Energy-efficient & cost-effective
- 

Excellent oxidation & corrosion resistance
- 

Faster and better installation due to fewer fittings needed
- 

50 years product lifespan

## Approved Standard

UNE-EN ISO 21003 - Multilayer piping systems for hot and cold water installations inside buildings

SANS 21003 - Multilayer piping systems for hot and cold water installations inside buildings

ASTM F1281 - Standard Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe

ASTM F876 - Standard Specification for Crosslinked Polyethylene (PEX) Tubing

AWWA C904 - Cross-Linked Polyethylene (PEX) Pressure Pipe, 1/2 In. (12 mm) through 3 In. (76 mm), for Water Service

CSA B137.5 - Crosslinked polyethylene (PEX) tubing systems for pressure applications

ASTM F877 - Standard Specification for Crosslinked Polyethylene (PEX) Hot - and Cold-Water Distribution Systems

CSA B125.3 - Plumbing fittings

ASTM F1807 - Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing

ASTM F1960 - Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing





## A/C Piping System

RIIFO Air Condition Piping System leads the new trend in cooling. With outstanding flexibility and durability, it performs well on resisting high pressure and temperature and leaves you feeling cool in summer.

### Advantages



Soldering-free and flare joint-free



So flexible that can be bend easily with a spring pipe bender



Fewer joints and lower material cost



Extraordinary chemical resistance





# PVC Conduit

Riifo rigid conduit is made of high-quality polyvinyl chloride resins and imported processing additives. It has an advantage of high impact resistance, strong flame retardancy and excellent cold bending performance, offering a perfect solution for electrical safety in residential, commercial and industrial applications.

## Advantages

- 

Environmental-friendly
- 

Highly fire retardant material
- 

Good insulation. It can resist AC 2000V and insulation resistance more than  $1 \times 10^8 \Omega$
- 

High impact resistance and excellent cold bending performance require less fittings
- 

Low coefficient of roughness and smooth walls reduces friction during pulling wire
- 

Excellent physical and chemical properties ensure better tensile strength and durability
- 

Lightweight
- 

Easy and safe installation. No need for special installation tools needed

## Approved Standard

IEC 61386-21 - Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems



# Infrastructure

RIIFO Infrastructure Piping System plays an important role for people who build the city, and more importantly, for people who live there. From water supply, to drainage and power cable protection, RIIFO is always here to guarantee you a good life.

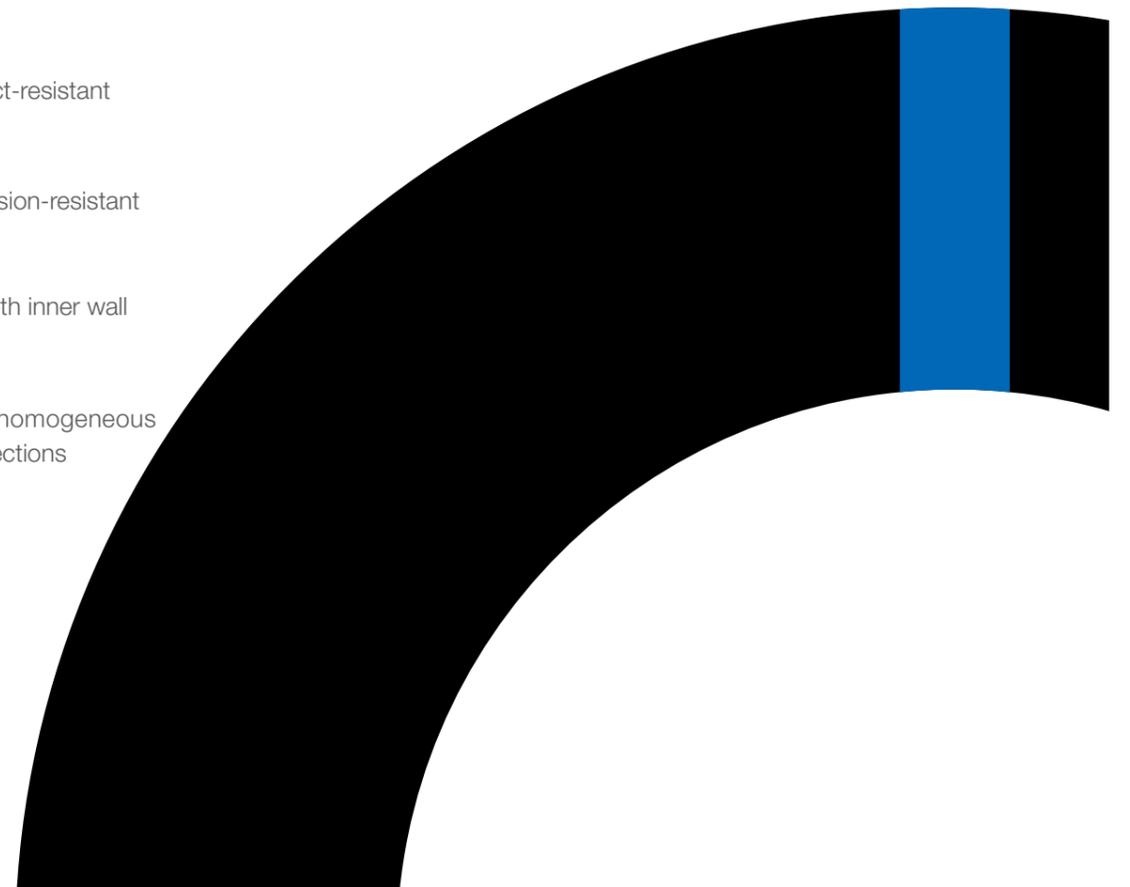
## Advantages

### Advantages of RIIFO PE pipes

- 
Clean and non-toxic
- 
Impact-resistant
- 
Corrosion-resistant
- 
Smooth inner wall
- 
Safe homogeneous connections
- 
50 YEARS  
50 years product lifespan

### Advantages of RIIFO PE fittings

- 
Clean and non-toxic
- 
Impact-resistant
- 
Corrosion-resistant
- 
Smooth inner wall
- 
Safe homogeneous connections



# HONOR & CERTIFICATION

RIIFO always focuses on product quality and strictly manages production process--thereby winning much recognition from our customers.

## Group honor



## Product certification



Product System	Certification Agency	Nation/Region	Certification Number	Covered Products
Gas Piping	AENOR	Spain	001/006700	DB1(black)+F5+F9
			001/006561	B1(yellow)+F5 +F9 system
	SAI-GLOBAL	Australia	SMK02564 for GAS	B1/C+F5/F8 system
			SMKP21995	B1/C+F1C/F5/F8
			WMK26137	F5b(Cu)
	AGA	Australia	7563	ball valves
	KIWA	Netherland	KIP-103315/01	B1+F5 system
	NYCE	Mexico	7563	DC pipe
KIP-103315/01			F1D	
PVC Drainage	SAI	Australia	WMK26347	PVC fitting F30
	CE	Europe	ATCO.0014	PVC System

Product System	Certification Agency	Nation/Region	Certification Number	Covered Products
Multilayer Plumbing	STF	Finland	EUFI29-21001919-TH	B1 + F5 System
	DVGW	German	DW-8501CS0420	B+F1C system
			DW-8501BQ0166	B+F5 system
			DW-8236BP0451	B pipe
	ACS	France	18 MAT LY 210	B1 pipe
			20 ACC LY 429	F1C
			18 ACC LY 813	F5+F8
			20 ACC LY 430	F9
			20 ACC LY 431	F18
	AFNOR	France	81323	B1+F5/F1C//F8/F9/F18 system
	CSTB	France	QB-266-2009	B1+F5/F1C//F8/F9/F18 system
	AENOR	Spain	001/005976	B+F5 system
			001/005975	B1+F5 system
			001/006959	B1+F1C system
	SAI-GLOBAL	Australia	WMKA02564 FOR Water	B1+F5/F6/F7/F8/F1c system
WMK26137			F5b(Cu)/F7b(Cu)/F8b(Cu)/PF2(Cu)	
WMKA21740			PF2/F5/F7/F8/F6	
NSF	USA	74631-12R	F1-G, F5-G, B1 pipe	
WRAS	UK	2005323	F5/F1C system	
		2012038	F17	
CE	Europe	TPI.0021	Multilayer Plumbing System	
PEX Plumbing	SAI-GLOBAL	Australia	WMKA021344	PEXb / PEXa
			WMKA21740	PF2/F5/F7/F8/F6
	NSF	USA	74631-12R	PEX Ball valve/PEX pipe/PEX 5206/PEXa 5006/PEXa 5106
PPR Plumbing	DVGW	German	DW-8317CU0153	PPR pipe (Green Only)
			DW-8317CU0154	PPR pipe (Green Only)
	AENOR	Spain	001/006720	PPR + F12
	NSF	USA	74631-12R	PF5-G/PF6/PF15&PF15 II
				PEA 5006
CE	TPI.0027	TPI.0027	PP-R pipe	
Underfloor Heating resin	AENOR	Spain	001/005976	B+F5 system
			001/005975	B1+F5 system
	NSF	USA	74631-12R	B1 pipe/PEX pipe/FN9/FN16
	CE	Europe	TPI.0021	Multilayer plumbing system

Full details in all certificates are given in Appendix I



## PROJECT SHOWCASE

---



**Kazakh region,  
Azerbaijan**

Project: Gazakh Olympic Sports Complex  
 Type: Sport  
 Year: 2007  
 Product: Multilayer Plumbing System



The total area of the complex is 15.50 ha and the main building of the complex consists of hand games room, gymnastics, wrestling, boxing halls. The Area has a swimming complex, an open type of football square and tennis court.



**Baku, Azerbaijan**

Project: Supreme Court of Azerbaijan  
 Type: Public Buildings  
 Year: 2009  
 Product: Multilayer Plumbing System

Azerbaijan Republic Supreme Court Building put into operation in 2009

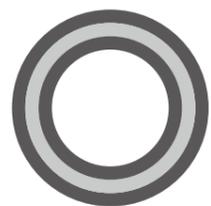


**AZERBAIJAN**



**Baku, Azerbaijan**

Project: International Central Bus Station  
 Type: Public Buildings  
 Year: 2009  
 Product: Multilayer Plumbing System



**Multilayer Plumbing System**



### Baku, Azerbaijan

Project: National Cancer Hospital  
 Type: Health  
 Year: 2009  
 Product: Multilayer Plumbing System

Oncological service in Azerbaijan has passed a long and successful path of development. In September 9, 2009, the surgical building of the National Center of Oncology opened.



### Baku, Azerbaijan

Project: National Health Complex  
 Type: Health  
 Year: 2015  
 Product: Multilayer Plumbing System

The National Health Center is supposed to be the biggest healthcare building in Azerbaijan. The building stands over 80 meters and covers an area of 94,000 square meters. It can accommodate 404 beds. There are 13 blocks in the center and consist of numerous doorway.

### Baku, Azerbaijan

Project: Almaz park  
 Type: Residential  
 Year: 2014  
 Product: Multilayer Plumbing System

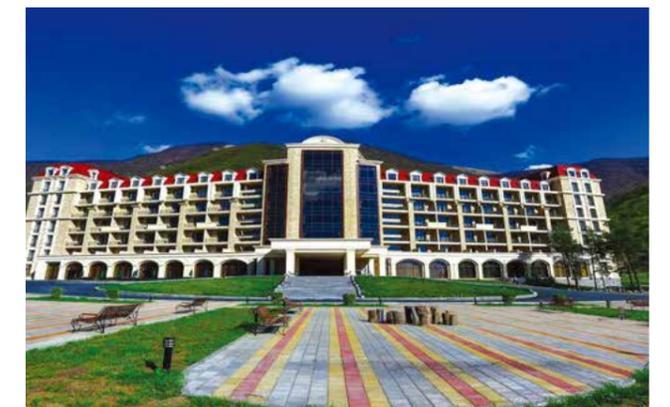
Almaz Park Residential Developments with a construction area of 72 000 m<sup>2</sup>, consisting of 320 apartments and being one of the most modern residential developments of the city.



### Sheki, Azerbaijan

Project: Marxal Resort & Spa  
 Type: Hotels  
 Year: 2016  
 Product: Multilayer Plumbing System

Featuring a fitness center, Marxal Resort & Spa is set in Sheki and also provides a spa & wellness center and a terrace. This property is also rated for the best value in Sheki!





### Lebu, Ethiopia

Project: New hope Luxury Apartment  
Type: Residential  
Year: 2019  
Product: Multilayer Plumbing System



### Gurd Shola, Ethiopia

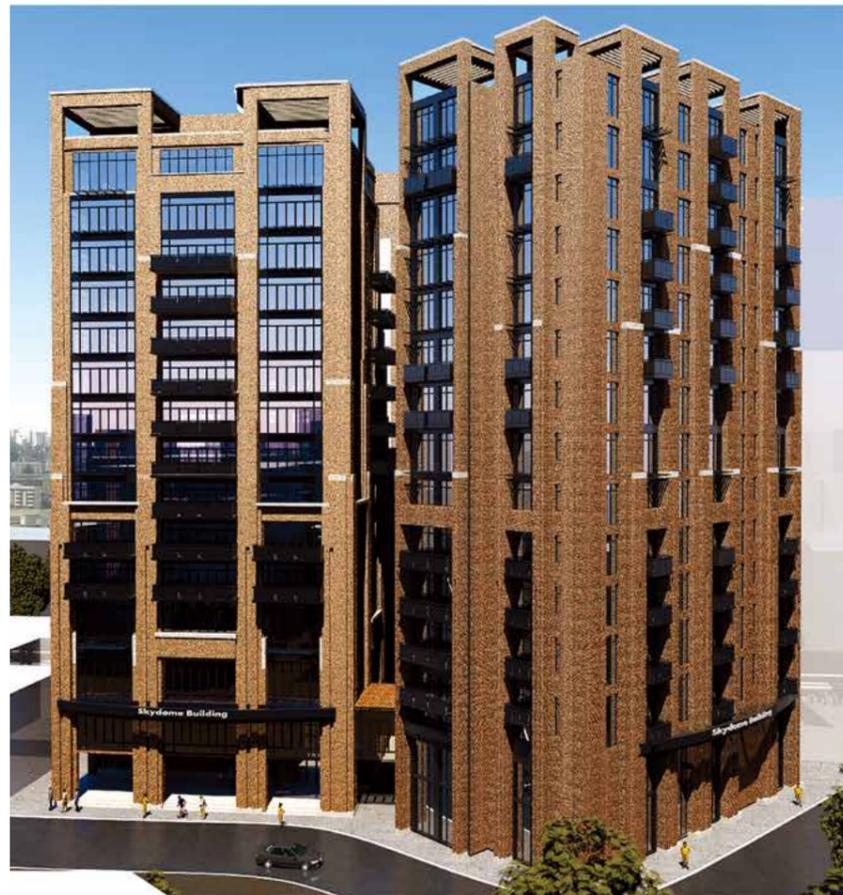
Project: Noah Garden Apartment  
Type: Residential  
Year: 2018  
Product: Multilayer Plumbing System

# ETHIOPIA



### Nefassilk Lafto, Ethiopia

Project: Sikamas Mix-use 2 Blocks  
G+11 Building  
Type: Commercial  
Year: 2019  
Product: Multilayer Plumbing System

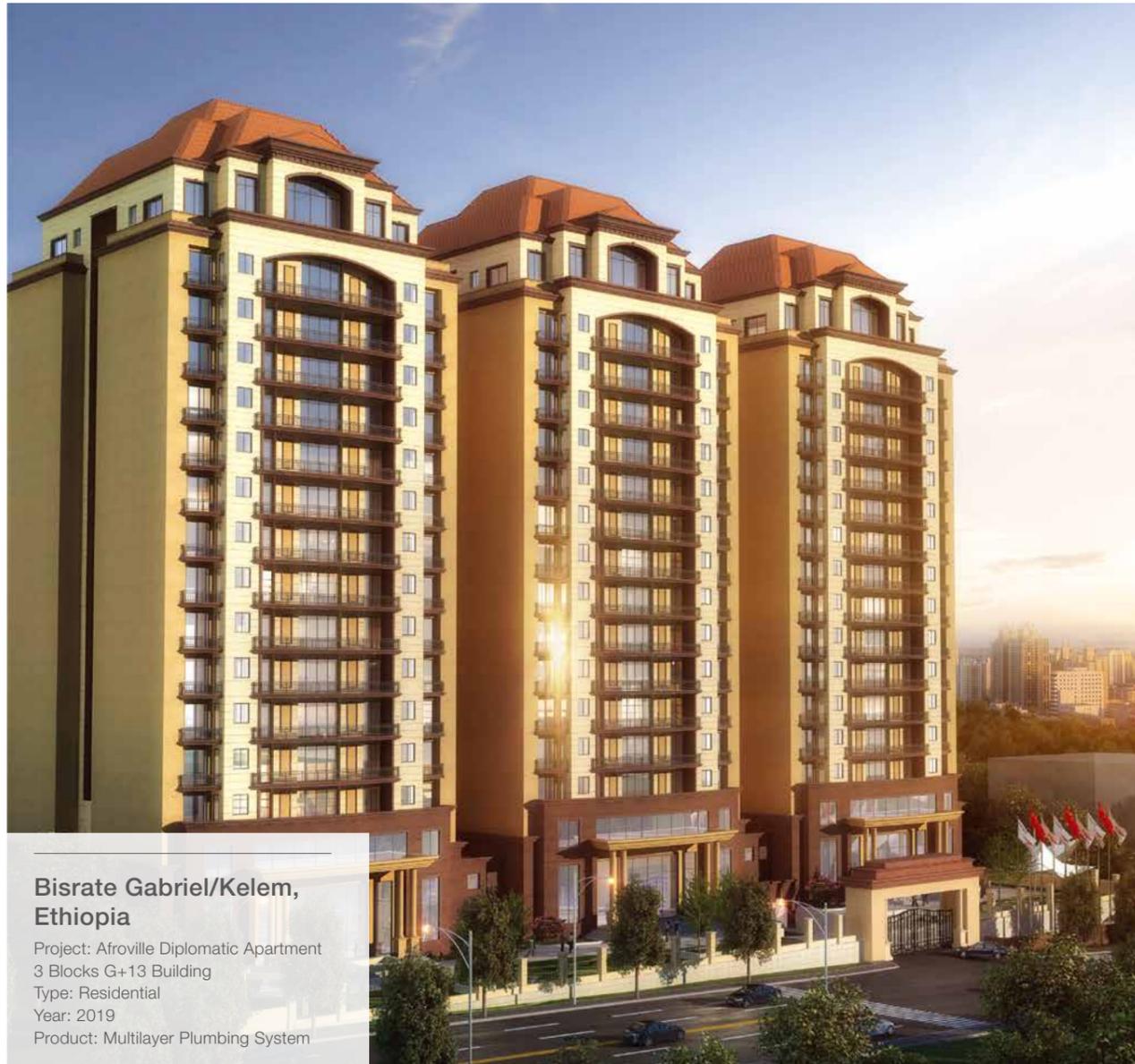


### Atlas, Ethiopia

Project: Dodi Extension Tower  
Type: Residential  
Year: 2017  
Product: Multilayer Plumbing System+PVC

### Kazanchis, Ethiopia

Project: Kazadis Plaza Mix-use G+19 Building  
Type: Commercial  
Year: 2019  
Product: Multilayer Plumbing System



**Bisrate Gabriel/Kelem, Ethiopia**

Project: Afroville Diplomatic Apartment  
 3 Blocks G+13 Building  
 Type: Residential  
 Year: 2019  
 Product: Multilayer Plumbing System

**Kera, Ethiopia**

Project: Eilitta Mix-use G+20 Building  
 Type: Commercial  
 Year: 2019  
 Product: Multilayer Plumbing System+PVC



**Kazanchis, Ethiopia**

Project: Highlander Luxury Apartment  
 Type: Commercial  
 Year: 2019  
 Product: Multilayer Plumbing System+PVC



**Bole, Ethiopia**

Project: MCO Commercial G+17 Building  
 Type: Commercial  
 Year: 2019  
 Product: Multilayer Plumbing System



**CMC, Ethiopia**

Project: Mezabei 3 Blocks G+9 Building  
 Type: Commercial  
 Year: 2018  
 Product: Multilayer Plumbing System+PVC



## Tallin, Estonia

Project: Green thinking house  
 Type: Commercial  
 Year: 2018  
 Product: Multilayer Plumbing System



The building will be introduced as an eco-mind house. A well-considered environment is in line with the green and lake surrounding the building. The technical units designed in the building are based on the principle of energy and environmental sustainability. The house has an unique wooden facade, and the building has materials that are suitable for the environment. RIFENG always contributes to your green life.



## Parnu, Estonia

Project: Hedon Spa & Hotel  
 Type: Hotels  
 Year: 2014  
 Product: Multilayer Plumbing System

Offering an outdoor and an indoor pool, Hedon Spa & Hotel, opened in June 2014, is located in Pärnu. Free Wi-Fi access is available. The property is located on the sandy shore of Pärnu beach and the town center is only 15 minutes walk away.

# ESTONIA



## Tallin, Estonia

Project: Woho home  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Plumbing System



Woho is a hybrid quadrant that is looking for the future, in which the home and the work are interconnected. The first phase of a large project to create a city's tidal zone consists of two exclusive high-rise buildings and one 500-seat parking garage.





### Tallinn, Estonia

Project: MAXIMA Logistics Center  
Type: Commercial  
Year: 2019  
Product: Multilayer Plumbing System



### Pärnu, Estonia

Project: Pirniaia aedlinnak – Oja 41d  
Type: Pirniaia aedlinnak – Oja 41d  
Year: 2018  
Product: Multilayer Plumbing System



### Tallinn, Estonia

Project: Medical Lab SYNLAB in Veerenni 53A  
Type: Health  
Year: 2019  
Product: Multilayer Plumbing System



### Pärnu, Estonia

Project: Vesiroosi 1 - LVM Kinnisvara  
Type: Residential  
Year: 2019  
Product: Multilayer Plumbing System



### Tallinn, Estonia

Project: Suur-Patarei 6  
Type: Residential  
Year: 2019  
Product: Multilayer Plumbing System



### Tallinn, Estonia

Project: Grand Hotel Viljandi  
Type: Hotels  
Year: 2019  
Product: Multilayer Plumbing System



### Tallinn, Estonia

Project: MEERHOF 2.0  
Type: Residential  
Year: 2019  
Product: Multilayer Plumbing System



### Pärnu, Estonia

Project: Wasa Resort  
Type: Hotels  
Year: 2019  
Product: Multilayer Plumbing System

# NETHERLANDS



## Utrecht, Netherlands

Project: Domkerk Domtoren  
Type: Public Buildings  
Year: 2008  
Product: Multilayer Plumbing System



There is a special building in the center of Utrecht. The Dom Church is one of the medieval churches that resemble the cathedrals.



### Lima, Peru

Project: Edificio Empresarial Andrés Belaunde  
Type: Residential  
Year: 2009  
Product: Multilayer Plumbing System

## PERU



### Piura, Peru

Project: Edificio Poise  
Type: Residential  
Year: 2019  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Pezet 375  
Type: Residential  
Year: 2013  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio El Boulevard 2  
Type: Residential  
Year: 2012  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Condominio Parques Santa Margarita  
Type: Residential  
Year: 2010  
Product: Multilayer Plumbing System



### Lima, Peru

Project: Condominio Parques De La Huaca  
Type: Residential  
Year: 2008  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Alfredo Salazar  
Type: Residential  
Year: 2010  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Vanderghen  
Type: Residential  
Year: 2011  
Product: Multilayer Plumbing System



### Piura, Peru

Project: La Muralla Inversiones Inmobiliari  
Type: Residential  
Year: 2015  
Product: Multilayer Plumbing System



### Lima, Peru

Project: Condominios Del Aire  
Type: Condominios Del Aire  
Year: 2006  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Pezet 1945  
Type: Residential  
Year: 2017  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Imperia  
Type: Residential  
Year: 2018  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Boss  
Type: Residential  
Year: 2018  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Loft & Shops  
Type: Residential  
Year: 2011  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Edificio Residencial Jacaranda  
Type: Residential  
Year: 2010  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Malecón De La Marina 316  
Type: Residential  
Year: 2011  
Product: Multilayer Plumbing System



### Piura, Peru

Project: Malecón De La Marina 1124  
Type: Residential  
Year: 2012  
Product: Multilayer Plumbing System



### Monterrey, Mexico

Project: Torres Saqqara  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Plumbing System

The Saqqara mixed-use development in San Pedro, close to Monterrey, comprises two 35-storey apartment towers – the first luxury residences to be built by the practice in Mexico – and an 11-storey office building. Located to the west of the financial district, the project is intended as a catalyst for further development in the neighbourhood.



The 64-story building contains 27 floors of office space, and 218 apartments and 18 penthouses across the upper 37 floors, ranging from 130 to 832 square metres. Furthermore, residents enjoy communal amenities on the 22nd floor, which include an infinity pool, a bar, a sauna, a private guest room, and more.



### Monterrey, Mexico

Project: Torre Kima  
 Type: Hotels  
 Year: 2017  
 Product: Multilayer Plumbing System



Kima means home in huasteco, referring to warmth, protection and tranquility. It has 19 levels of apartments and 5 parking lots.

## MEXICO

### Monterrey, Mexico

Project: Torre KOI  
 Type: Residential  
 Year: 2017  
 Product: Multilayer Plumbing System



### Monterrey, Mexico

Project: Centro Cuauhtemoc  
 Type: Residential  
 Year: 2019  
 Product: Multilayer Plumbing System



Centro Cuauhtemoc is a multi-purpose building that has productive and functional spaces, under the vision of urban benefit and sustainability.





### Monterrey, Mexico

Project: One Monterrey Aeropuerto  
 Type: Hotels  
 Year: 2009  
 Product: Multilayer Plumbing System



### Monterrey, Mexico

Project: Torre Luz  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Plumbing System

Torre Luz has 152 apartments with 1 and 2 bedrooms. Located on Adolfo Ruiz Cortines Avenue (Poniente), it is a few meters from Dr. José E. González avenue (Gonzalitos). Being able to move to any point in the city and return home in the minimum time is a privilege that adds to the quality and design of the project.



### Durban, South Africa

Project: Ocean Sky  
 Type: Commercial  
 Year: 2020  
 Product: Multilayer Plumbing System

"This unparalleled development is signed by two magnificent residence towers, consisting of 444 elegantly designed

apartments and penthouses, all boasting panoramic views, creating a living experience beyond compare."



### Durban, South Africa

Project: The Pearls Of Umhlanga  
 Type: Residential  
 Year: 2017  
 Product: Multilayer Plumbing System

"Located in Umhlanga's golden coast, The Pearls of Umhlanga has luxurious and modern apartments with sea views. The resort has direct access to the beach, a large salt water pool and a baby pool.

The Pearls of Umhlanga is an opulent resort with many architectural awards. The Umhlanga Pier and the Umhlanga Lighthouse are only a few steps away."





### Durban, South Africa

Project: Park square  
 Type: Commercial  
 Year: 2018  
 Product: Multilayer Plumbing System

Durban's most considered new development combines an exceptional commercial offering with a discerning retail and lifestyle component. It's the premium address on the uMhlanga Ridge: a natural extension of the CJ Saunders Park, where business and lifestyle seamlessly meet in a vibrant urban square that invites the public to connect and experience the best of Durban.



### Durban, South Africa

Project: Calgro residential  
 Type: Residential  
 Year: 2016  
 Product: Multilayer Plumbing System



### Durban, South Africa

Project: MSP residential  
 Type: Residential  
 Year: 2017  
 Product: Multilayer Plumbing System



### Port Elizabeth, South Africa

Project: The Radisson Port Elizabeth  
 Type: Hotels  
 Year: 2019  
 Product: Multilayer Plumbing System



"Taking pride in its environment-friendly construction, Radisson Blu Hotel is a great base during your stay in the city.

Offering panoramic views of Algoa Bay, the Radisson Blu features contemporary guest rooms. All 173 rooms come outfitted with individual climate control "

### Durban, South Africa

Project: Discovery Building  
 Type: Commercial  
 Year: 2017  
 Product: Multilayer Plumbing System



## SOUTH AFRICA

The Discovery building will have a ground floor plus eight levels of office space, a Tier 3 plus data centre and an activities-related feature roof level. The Gross Floor Area (GFA) of Phase 1 and 2 combined is approximately 150 000 m2.



# SWEDEN

## Solna, Sweden

Project: Arenastaden  
 Type: Commercial  
 Year: 2013  
 Product: Multilayer Plumbing System



## Malmö, Sweden

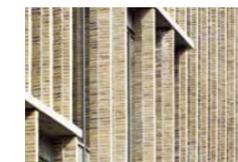
Project: HSB Turning Torso  
 Type: Residential  
 Year: 2005  
 Product: Multilayer Plumbing System

Turning Torso is a neo-futurist residential skyscraper in Sweden and the tallest building in Scandinavia. It is regarded as the first twisted skyscraper in the world.



## Göteborg, Sweden

Project: Stadsbiblioteket  
 Type: Public Buildings  
 Product: Multilayer Plumbing System



## Ullared, Sweden

Project: Gekas hotel  
 Type: Hotels  
 Product: Multilayer Plumbing System

## Lund, Sweden

Project: Max-Lab  
 Type: Science  
 Year: 2016  
 Product: Multilayer Plumbing System

MAX IV is the next-generation synchrotron radiation facility in Lund, Sweden. It is the strongest of its kind in the world.





### Uppsala, Sweden

Project: Gröna Gränby  
Type: Residential  
Product: Multilayer plumbing system



### Solna, Sweden

Project: Mall of Scandinavia  
Type: Commercial Year: 2015  
Product: Multilayer plumbing System  
Underfloor heating System



### Goteborg, Sweden

Project: Gothia Towers  
Type: Hotels  
Year: 2009  
Product: Multilayer plumbing System  
Underfloor heating System

The Gothia Towers, in Gothenburg, Sweden, is the largest hotel in the Nordic countries. Part of the Swedish Exhibition and Congress Centre, it has 1,200 rooms and eleven suites and offers a variety of restaurants and bars.



### Stockholm, Sweden

Project: Tele 2 Arena  
Type: Sport  
Year: 2013  
Product: Multilayer plumbing System  
Underfloor heating System



### Goteborg, Sweden

Project: Sahlgrenska sjukhuset  
Type: Health  
Product: Multilayer plumbing System  
Underfloor heating System



### Leksand Municipality, Sweden

Project: Clas Ohlsson Lager  
Type: Commercial  
Year: 2010  
Product: Multilayer Plumbing System



**Palampur, Himachal Pradesh, India**

Project: Hotel Sarovar Portico  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System

# INDIA

**Jalandhar, Punjab, India**

Project: Fortune by ITC  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Dharamsala, Himachal Pradesh, India**

Project: HPCA Stadium  
Type: Sport  
Year: 2019  
Product: Mutilayer plumbing System

**Jalandhar, Punjab, India**

Project: Club Cabbana  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System

**Jalandhar, Punjab, India**

Project: Country Inn Hotel  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Jalandhar, Punjab, India**

Project: DAV University  
Type: Education  
Year: 2019  
Product: Mutilayer plumbing System



**Jalandhar, Punjab, India**

Project: DPS School  
Type: Education  
Year: 2019  
Product: Mutilayer plumbing System



**Jalandhar, Punjab, India**

Project: Ramada Hotel  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Ludhiana, Punjab, India**

Project: AAGAAZ Hotel  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Dharamsala, Himachal Pradesh, India**

Project: Hotel Pavillion  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Jalandhar, Punjab, India**

Project: Green County  
Type: Hotels  
Year: 2019  
Product: Mutilayer plumbing System



**Jalandhar, Punjab, India**

Project: Hamilton Residency  
Type: Residential  
Year: 2019  
Product: Mutilayer plumbing System



**Makhu, Punjab, India**

Project: Hero School  
Type: Education  
Year: 2019  
Product: Mutilayer plumbing System



Set steps from the sand, The Stones Hotel - Legian Bali, Autograph Collection welcomes guests with 5-star amenities and superb service. From the hotel, guests can walk to stunning beaches and Beachwalk Shopping Center or enjoy the rides at nearby Waterbom Bali.

### Bali, Indonesia

Project: Stone Hotel Bali by Marriot  
 Type: Hotels  
 Year: 2007  
 Product: Mutilayer plumbing System



### Bali, Indonesia

Project: AYANA Resort and Spa  
 Type: Hotels  
 Year: 2007  
 Product: Mutilayer plumbing System

Award-winning AYANA Resort and Spa is a world-class destination resort located on 90 hectares of cliff-top land perched above Jimbaran Bay.

AYANA's majestic sunsets and ocean-front views are complemented by a white-sand beach and shared facilities as Bali's only integrated resort with RIMBA Jimbaran BALI.



### Jakarta, Indonesia

Project: Hotels Harris & Yello  
 Type: Hotels  
 Year: 2019  
 Product: Mutilayer plumbing System



### Bogor, Indonesia

Project: Bumi Gumati  
 Type: Hotels  
 Year: 2017  
 Product: Mutilayer plumbing System

Bumi Gumati Resort & Convention is located in the cool-climate area of Bogor. It offers on-site outbound and conference facilities as well as free WiFi access in public areas. Jungleland Theme Park is a 15-minute drive away.



### Cirebon, Indonesia

Project: Hotel Bapontar  
 Type: Hotels  
 Product: Mutilayer plumbing System

Bapontar Guest House tel is within 50 miles of Cibereum Airport. Operating a 24-hour front desk. Restaurant located on-site serves breakfast and kitchenette, room service can also be accommodated.

# INDONESIA



## Tangerang, Indonesia

Project: PDAM  
Type: Commercial  
Product: Multilayer plumbing System

PDAM Tirta Benteng Kota Tangerang is a water supply management institution in the city.

The task of the PDAM is to manage drinking water to improve community welfare which includes social, health and public services.



## Jakarta, Indonesia

Project: Dr. Cipto Mangunkusumo Hospital  
Type: Health  
Year: 2008  
Product: Multilayer plumbing System

Dr. Cipto Mangunkusumo Hospital is a government-run hospital located at Salemba in Jakarta, Indonesia. In 2008, a new building was opened, which is now the main hospital building with a capacity of nearly 700 beds.



## Lampung, Indonesia

Project: Malahayati University  
Type: Education  
Product: Multilayer plumbing System

Malahayati University is an comprehensive high education institution in Indonesia. Located on Jalan Pramuka Number 27, Bandar Lampung, Malahayati University occupies 84 hectares of land. In addition to complete educational facilities, there are also free dormitories, sports facilities such as golf, badminton, futsal, to swimming pools, also equipped with culinary places.



## Jakarta, Indonesia

Project: Institute Kesehatan Indonesia  
Type: Education  
Year: 2014  
Product: Multilayer plumbing System

"The Indonesian Institute of Health (IKI) is a private university owned by the Nusa Bhakti Husada Foundation. IKI is an university that is responsive to public health services through its participation in preparing and fulfilling the needs of health workers by making efforts to develop health education and research."



## Batam, Indonesia

Project: Batam University  
Type: Education  
Product: Multilayer plumbing System

"The University of Batam focus on providing high quality education in a system, program, activity and human resources, according to the needs of industrial activities . In addition, the University of Batam has social aspects and lofty ideals, namely ""To nurture and support orphans and children of families who are not capable"" who come from various corners of the country, especially children in Batam."



## Jakarta, Indonesia

Project: Medistra Hospital  
Type: Health  
Product: Multilayer plumbing System

Medistra Hospital is a private hospital that located in the heart of Jakarta. The total beds capacity is 191 beds with the average of patient admission 8.500 patients per year. Medistra has 40 outpatient clinics with the average of Specialist Outpatients Clinic attendances about 90.000 patient per year.



### Bintaro, Indonesia

Project: The Breeze  
 Type: Residential  
 Year: 2013  
 Product: Multilayer plumbing System

BPR is a mixed-use area that grows with an integrated lifestyle concept and is located in the heart of Bintaro Jaya. There are 9 types of unit choices on each floor and equipped with facilities like swimming pool, mini market, laundry, kindergarten, 24 hours security system with CCTV and so on.



### Tangerang, Indonesia

Project: IKEA Store in Indonesia  
 Type: Commercial  
 Year: 2014  
 Product: Multilayer plumbing System

IKEA indonesia is located at Alam Sutera area. IKEA is one of the world's largest furniture retailer that design and sell ready-to-assemble modern style furniture, appliances and home accessories



### Tangerang, Indonesia

Project: Burger King  
 Type: Commercial  
 Year: 2017  
 Product: Multilayer plumbing System

Burger King Indonesia opened its first Restaurant in 2007 in Jakarta and by 2017 served 7 Million guests in the restaurants across 7 cities in Indonesia every year.



### Jakarta, Indonesia

Project: Dapur Sehat (Sate Khas Senayan)  
 Type: Commercial  
 Product: Multilayer plumbing System

Sate Khas Senayan has remained passionate to promote traditional Indonesian fine cuisine and culture. With over 40 years history, Sate Khas Senayan is a place where restaurant goers can enjoy the comfort of unique, local cuisine in an environment with a welcoming ambience and attentive service.



### Norwich, England

Project: The Fenlands  
 Type: The Fenlands  
 Year: 2015  
 Product: Multilayer plumbing System

"Located on the outskirts of Brandon, the Fenlands is surrounded by agricultural land and close to the Forestry Commission. Nearby Brandon Country Park offers over 30 acres of managed parkland, a famous arboretum, 'haunted' mausoleum, historic walled garden, and miles of nature trails through Thetford forest.

It is a development of 64 houses, consisting of 13 contemporary two-bedroom properties."



### Melbourne, Australia

Project: Pier One  
 Type: Pier One  
 Year: 2017  
 Product: Gas piping system

Located in the marina precinct at Patterson Lakes, the Pier One development consists of 72 two-bedroom apartments that feature generous outdoor living spaces, integrated appliances, heating, air-conditioning, smart storage solutions and a host of high quality appointments including stone bench tops. The apartments also come with secure car parking and exclusive access to 5 star resort-style facilities including a gym, swimming pool, rooftop tennis court and terrace.



## AUSTRALIA

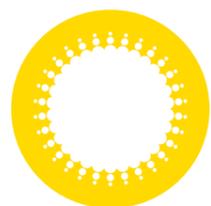
### Melbourne, Australia

Project: Nest At The Hill  
 Type: Residential  
 Year: 2017  
 Product: Gas piping system



The Nest at the Hill development have 250 luxury apartments, townhouses and penthouses on Doncaster Hill.

From its elevated position, most of the stylish apartments enjoy sweeping and show-stopping panoramic views of the Melbourne and the Dandenong ranges. Moments from 400 local and international retailers at Westfield Shopping Centre, a range of quality schools and transport options connect you to the rest of Melbourne.



## Multilayer Gas System



### Melbourne, Australia

Project: Southbank Place  
 Type: Residential  
 Year: 2017  
 Product: Gas piping system

"Situated in the heart of Southbank Melbourne, Southbank Place is a new 52 storey development by Central Equity that incorporates a mix of 597 residential apartments and commercial shopping. The development includes 1, 2 and 3 bedroom apartments and includes features such as spacious apartment designs full of natural light, the 41st floor Southbank Horizon Club, a glass roofed indoor pool and fitness centre and a spectacular entry lobby with concierge."



### Melbourne, Australia

Project: Quest Apartment Hotels  
 Type: Hotels  
 Year: 2018  
 Product: Gas piping system  
 Pex plumbing system

Quest Apartment Hotels continues its expansion with its newest property at Pacific Epping Shopping Centre in Melbourne. The new apartment hotel complex will boast 6,500sqm with 96 rooms. Fronting Cooper Street, the new Quest apartment hotel is positioned to benefit from the surrounding Pacific Epping retail and dining precinct, including an additional 1300sqm of new restaurants.



### Melbourne, Australia

Project: Eltham Leisure Centre  
 Type: Sport  
 Year: 2018  
 Product: Gas piping system

The aquatic facilities were more than 30 years old, with the pools and associated plant prone to regular failure which intermittently caused the shutdown of parts of the aquatic area. The facility attracts in excess of 760,000 visits on an annual basis and the redevelopment will bring the pool up to a modern day standard to ensure and increase continued usage.



### Brisbane, Australia

Project: Ascot Residences  
 Type: Residential  
 Year: 2018  
 Product: Gas piping system  
 Pex plumbing system

The Ascot Residences development includes 40 two bedroom luxury apartments that feature open plan layouts, gourmet kitchens, secure parking and a roof top terrace that includes a pool, spas, entertaining deck and bbq area. The roof top boasts some great city views.

The property is just a hop, skip and jump away from Brisbane's newest dining, retail and entertainment districts. It is located just 8km from the CBD, 4kms from the airport and 1km from the Racecourse Road retail and dining Precinct.



### Brisbane, Australia

Project: Infinity Tower  
 Type: Commercial  
 Year: 2013  
 Product: Gas piping system

The Infinity Tower is a 249-metre (817 ft) skyscraper recently constructed by Meriton at 43 Herschel Street Brisbane, Australia.

It contains 81 levels of serviced apartments and residential apartments totalling 549 units. It is situated in a relatively small site and is part of the North Quarter district of the Brisbane CBD. It is close to Roma Street railway station, King George Square, Queen Street Mall and the Treasury District. It is also close to the Kurilpa Bridge which gives access to South Bank Parklands and the Queensland Cultural Centre.



### Sydney, Australia

Project: Flour Mill of Summer Hill  
 Type: Residential  
 Year: 2017  
 Product: Gas piping system  
 Pex plumbing system

Seven kilometers away from Sydney CBD, The Flour Mill of Summer Hill is an amazing new residential community at the heart of the Inner West. The old industrial site of the Flour Mill has towered over the suburb's leafy streets for almost 100 years, and is now being transformed into a beautifully planned place to live, work and play. The Flour Mill's remarkable heritage and the original Mungo Scott Mill building will be retained. Brand new buildings will also stand alongside the historic silo structures, which will be transformed into homes.





### Sydney, Australia

Project: Brodie Spark Drive Wolli Creek  
 Type: Residential  
 Year: 2014  
 Product: Gas piping system  
 Pex plumbing system



Wolli Creek is such a great location being right on the train line and having the option of two lines running into Sydney CBD. The apartment is a well designed, modern apartment, luxury fittings with a contemporary open plan living space.



The development forms the public face to Anzac Parade and is situated just 14km south of the Sydney CBD, less than 9km from the University of New South Wales and within close proximity to shopping centres, golf courses and, of course, the beach.



### Sydney, Australia

Project: Superlot 11  
 Type: Residential  
 Year: 2018  
 Product: Gas piping system  
 Pex plumbing system

The Superlot 11 development is a multi-unit residential project, comprising 179 apartments with shared basement parking for 226 vehicles and associated landscaping works and through site public pedestrian link.

### Brisbane, Australia

Project: Four Points Hotel  
 Type: Hotels  
 Year: 2014  
 Product: Gas piping system  
 Pex plumbing system

The Four Points by Sheraton Brisbane is a hotel tower located at 99 Mary Street in Brisbane, Australia. The 33-storey, 107-metre (351 ft) skyscraper is located in the heart of the Brisbane central business district adjacent to the Botanic Gardens and the Parliament House. The hotel tower includes 246 rooms of average size of 27 square metres. The hotel facilities include a restaurant, a cafe bar and 200 square metres of function space.



### Queensland, Australia

Project: NEWPORT RETIREMENT VILLAGE  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



### South Yarra, Victoria, Australia

Project: IGLU Student Accommodation  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



### Melbourne, Australia

Project: The Walker Apartments  
 Type: Commercial  
 Year: 2014  
 Product: Gas piping system  
 Pex plumbing system



### Doncaster, Vic, Australia

Project: Summit - Doncaster Hill  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



### Queensland, Australia

Project: Arcare Aged Centre  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



### Northcote, Vic, Australia

Project: Merri Green  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



### Homebush NSW, Australia

Project: Vogue Homebush  
 Type: Residential  
 Year: 2019  
 Product: Multilayer GAS system+  
 PEX plumbing system



An unrivalled city living/ inner-urban position just metres from Victoria Gardens and the Yarra River is the perfect setting for this sophisticated and state-of-the-art, two-bedroom apartment. Finished with all the finest appointments in the highly-coveted 'Green Square' building, this apartment is a first-class lifestyle option.



## Envigado, Colombia

Project: ZU 41 21  
 Type: Residential  
 Product: Gas piping system



# COLOMBIA



## Medellin, Colombia

Project: Saint Pierre  
 Type: Residential  
 Product: Gas piping system



## Envigado, Colombia

Project: Lyon  
 Type: Residential  
 Year: 2016  
 Product: Gas piping system

Located in one of the best areas of Envigado, nearing the border with El Poblado with spacious spaces, modern design and excellent finishes.





**Sabaneta, Colombia**

Project: Alameda  
 Type: Residential  
 Year: 2019  
 Product: Gas piping system

Alameda is a residential complex composed of 4 towers. Apartments of two or three bedrooms, the master bedroom with a dressing room and a bathroom.

Spacious living area and reliable sanitary products offer a comfortable lifestyle.



**Medellin, Colombia**

Project: Amarello  
 Type: Residential  
 Product: Gas piping system



**Lima, Peru**

Project: Edificio Multifamiliar Madre Selva  
 Type: Residential  
 Year: 2018  
 Product: Gas piping system



The apartment has a unique design with first-class finishes and highly functional spaces. It is characterized by being a 6-story building .



**Piura, Peru**

Project: Edificio Las Tunas  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Gas System



**Piura, Peru**

Project: Edificio Parque Piura  
 Type: Residential  
 Year: 2019  
 Product: Multilayer Gas System



**Piura, Peru**

Project: Edificio Trinitarias  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Gas System



**Piura, Peru**

Project: Edificio Lares  
 Type: Residential  
 Year: 2018  
 Product: Multilayer Gas System



**Lima, Peru**

Project: Residencial Las Tunas  
 Type: Residential  
 Year: 2018  
 Product: Gas piping system



**Montevideo, Uruguay**

Project: Diamantis Plaza  
 Type: Residential  
 Year: 2012  
 Product: Gas piping system



The building has gymnasium, basket court, restaurants, swimming pools, childhood playing area, room with washing machines and squash court.



**Yogyakarta, Indonesia**

Project: Utara the Icon  
 Type: Residential  
 Year: 2017  
 Product: Gas piping system



**Montevideo, Uruguay**

Project: Faros de carrasco  
 Type: Residential  
 Year: 2011  
 Product: Gas piping system

The project is implanted in an area of 11189m<sup>2</sup>. The construction of two 17-story towers was authorized. It combines the comfort of a modern apartment and the quality of life of a house.



Utara the Icon is located on Jalan Kaliurang, close to the complex of Gadjah Mada University (UGM).

There are 24 hr security & reception, parking, a rooftop swimming pool, a fitness centre, and starbucks coffee in the building.



## PP-R Plumbing System



### GORO, Ethiopia

Project: Sunrise Luxury Apartment  
Type: Residential  
Year: 2017  
Product: PPR Plumbing  
System+PVC

# ETHIOPIA





Mocca is the ideal building for those who love Miraflores. Wake up with a coffee and enjoy the great view of the Clorinda Matto de Turner' park.

### Lima, Peru

Project: Edificio Mocca  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System



### Lima, Peru

Project: Sede Plaza La Tiza  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System

Sede Plaza La Tiza is located in south of Lima. It has a warm climate where you can enjoy the best rest with the tranquility of the sea, in addition to performing the best water activities.



### Lima, Peru

Project: Edificio Multifamiliar Sucre 260  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System

The Mariscal Sucre Project is equipped with quality facilities, located in a quite area and being close to important establishments in Miraflores.



### Lima, Peru

Project: Residencial Sorrento  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System

The residential contains 14 apartments and is equipped with unique panoramic lift. It is close to schools, hospitals, universities, parks and the Jorge Chavez International Airport.

# PERU

### Lima, Peru

Project: Edificio Multifamiliar Jacinto Lara  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System



The Jacinto Lara project is a 5-story building and has 9 apartments



### Nakhonsawon, Thailand

Project: 42C Hotel  
 Type: Hotels  
 Year: 2019  
 Product: PPR Plumbing System



### Samui Island, Thailand

Project: Thai International Hospital  
 Type: Health  
 Year: 2019  
 Product: PPR Plumbing System



### Uthai Thani, Thailand

Project: Chantaram Temple  
 Type: Public Buildings  
 Year: 2019  
 Product: PPR Plumbing System



### Semarang, Indonesia

Project: Hotel Chanti  
 Type: Hotels  
 Year: 2017  
 Product: PPR Plumbing System

Located right in the heart of Semarang's business district, Hotel Chanti offers an experience of living at ease to both business and leisure travelers. The property features 106 well-appointed rooms and suites, all-day-dining restaurant, lobby lounge, swimming pool, spa, meeting rooms and Karaoke rooms.



# THAILAND



### Phatum Thani, Thailand

Project: Green Latex Factory  
 Type: Commercial  
 Year: 2019  
 Product: PPR Plumbing System



### Chon Buri, Thailand

Project: The Hill Pattaya  
 Type: Hotels  
 Year: 2019  
 Product: PPR Plumbing System



### Khao Yai, Thailand

Project: Ozone Hotel  
 Type: Hotels  
 Year: 2019  
 Product: PPR Plumbing System



### Amata City Rayong, Thailand

Project: AUX Thailand Factory  
 Type: Commercial  
 Year: 2019  
 Product: PPR Plumbing System



### Samui Island, Thailand

Project: Sofitel So Samui  
 Type: Hotels  
 Year: 2019  
 Product: PPR Plumbing System



### Bali, Indonesia

Project: FOX HARRIS Jimbaran Beach  
 Type: Hotels  
 Year: 2016  
 Product: PPR Plumbing System

The first FOX Harris Hotel in Bali has opened and provided the signature touch of hospitality on the island. Situated on Bali's southwestern coast, Jimbaran Beach and the famous Jimbaran Bay connect Bali's mainland and Bukit Peninsula. FOX HARRIS Hotel Jimbaran is located amongst delicious seafood, long sandy beaches and magical sunset views.





**Batam, Indonesia**

Project: Holiday Inn  
 Type: Hotels  
 Year: 2010  
 Product: PPR Plumbing System

The only international branded Holiday Inn Resort Batam provides various selections of stay from your family trip to corporate incentive groups. Total 275 spacious suites & rooms, four dining outlets, sports lounge, KTV bar, indoor and outdoor swimming pools, Balinese style Tee Tree Spa gives you series of activities or just stay away from daily life and pamper yourself. t



**Karawang, Indonesia**

Project: Taman Sari Mahogany  
 Type: Residential  
 Product: PPR Plumbing System

Located in the gold triangle of Karawang, Tamansari Mahogany is designed to fulfill a young workers needs. It is approximately 500m from the toll gate West Karawang, with access arterial road west towards Karawang town centre. A wide range of supporting facilities have been launched to complement needs in order to achieve balanced living through a residential vertical concept that will put you into a comfortable place among the works & ideal home.



**Cirebon, Indonesia**

Project: Sutan Raja Guest House  
 Type: Hotels  
 Year: 2014  
 Product: PPR Plumbing System

Located in close proximity to Trans Studio Theme Park in Bandung, Sutan Rajah Guest House has a 24-hour front desk and provides free WiFi access in public area. Rooms at Sutan Rajah are air-conditioned and fitted with a flat-screen cable TV. Each room has an private bathroom featuring shower facility.



**Jakarta, Indonesia**

Project: Celebrity Fitness  
 Type: Sport  
 Year: 2003  
 Product: PPR Plumbing System

Celebrity Fitness is a fitness center operator with a network of clubs across Indonesia, Malaysia, and India. Every Celebrity Fitness club offers personal training, yoga, spinning / indoor cycling and group fitness programs for its members.



**INDONESIA**

**Jakarta, Indonesia**

Project: Plaza Semanggi  
 Type: Commercial  
 Year: 2004  
 Product: PPR Plumbing System

The Plaza Semanggi is a commercial complex at Semanggi Interchange in South Jakarta, Indonesia. The commercial center includes a shopping mall, an auditorium Balai Sarbini and office tower Gedung Veteran RI. The auditorium and office tower were constructed in 1973. The name The Plaza Semanggi more correctly refers to the shopping mall which was opened in 2004 with the refurbishment of Balai Sarbini and Gedung Veteran RI.





### Bogor, Indonesia

Project: Gunung Putri Square  
 Type: Residential  
 Product: PPR Plumbing System

Gunung Putri Square located in an international industrial area. The new concept promoted in this factory area is Rusunami (Simple Owned Flats) and is expected to increase worker productivity. Gunung Putri Square is the solution for 40,000 workers who crave for their own homes. Vertical residential and modern markets and commercial centers are presented in one area.



### Karawang, Indonesia

Project: Pesantren Al Binaa  
 Type: Education  
 Product: PPR Plumbing System

Al Binaa Islamic Boarding School is the Islamic Educational Institution (boarding house) founded by Yayasan Binaa'ul Ukhuwwah (YBU), located in Bekasi City, West Java, Indonesia.



### Tangerang, Indonesia

Project: Decathlon Alam Sutera  
 Type: Commercial  
 Year: 2017  
 Product: PPR Plumbing System

The Decathlon project in Indonesia has opened the first "omnicommerce" store and will develop more branches in 34 sport enthusiast cities and to cover all Indonesian islands. Products for export and domestic market are made in Indonesia, which contributes to local production.



### Bekasi, Indonesia

Project: JFE Steel Indonesia  
 Type: Industry  
 Year: 2016  
 Product: PPR Plumbing System

JFE Steel is a steel manufacturer engaged in the total steel-making process, taking iron ore raw material and turning it into final products. The company is now establishing a more global network by expanding production and logistics operations directly in markets overseas.



### Bekasi, Indonesia

Project: PT. Sato Nagatomi  
 Type: Industry  
 Year: 2016  
 Product: PPR Plumbing System

In October 2012, PT. SATO Nagatomi was established in Indonesia. In May 2016, PT. SATO Nagatomi moved to a new office and factory in Bekasi, Jakarta. PT. SATO Nagatomi has been reorganized into two companies - PT. SATO Label Indonesia (SLI) and PT. SATO Label Solutions (SLS).



### Cirebon, Bandung, Tegal, Jakarta, Batam, Indonesia

Project: CGV Cinema  
 Type: Commercial  
 Year: 2013  
 Product: PPR Plumbing System

CGV Cinemas Indonesia is a movie theater chain in Indonesia. In December 2013, the chain consists of seven locations that each feature a minimum of eight screens.



**Bandung, Indonesia**

Project: Tamansari Tera  
 Type: Residential  
 Year: 2018  
 Product: PPR Plumbing System

Mitra Plumbon Hospital is a private public hospital located in Plumbon District, Cirebon Regency, established on October 14, 2003. Responding to the higher demand, its building scale is enlarging into 3 main buildings and the current capacity is 331 beds.



**Bekasi, Indonesia**

Project: PT. Nittsu Shoji Indonesia  
 Type: Industry  
 Year: 2003  
 Product: PPR Plumbing System

As a member of Nippon Express Group, Nittsu Shoji Indonesia was established in 2003. It is advanced in logistics and international merchandise distribution. Supporting logistics, consumers, and industry with diverse products, services, and outstanding development capabilities.

**Cirebon, Indonesia**

Project: Mitra Plumbon Hospital  
 Type: Health  
 Year: 2003  
 Product: PPR Plumbing System

Mitra Plumbon Hospital is a private public hospital located in Plumbon District, Cirebon Regency, established on October 14, 2003. Responding to the higher demand, its building scale is enlarging into 3 main buildings and the current capacity is 331 beds.



**Tangerang, Indonesia**

Project: Parkland Avenue  
 Type: Residential  
 Product: PPR Plumbing System

Parkland Avenue runs in the concept of 5 C (Commitment, Connected, Commercial, Conceptual and Comfort). There are 802 units and various facilities, including the Aviary Hall, Swimming Pool, Alfresco Dining, ATM Center, Lifestyle Arcade and Supermarket.



**Bekasi, Indonesia**

Project: Metro Galaxy Park  
 Type: Residential Year: 2018  
 Product: PPR Plumbing System

Metro Galaxy Park Apartment is located in a very strategic location at Kalimalang. It is truly the best center of business and shopping activities in Bekasi. Metro Galaxy Park is also comes with the easiest accesses. Flanked with Jakarta – Cikampek toll road and Becakayu toll road. "



**Bandung, Indonesia**

Project: Hegarmanah  
 Type: Residential  
 Year: 2017  
 Product: PPR Plumbing System

Hegarmanah Residence consists of 380 units. It is a culmination of classy and luxurious living with exceptional interior finishes and the finest settings that set it apart from other developments in the region.



**Bekasi, Indonesia**

Project: Chadstone Sales Gallery Cikarang  
 Type: Residential  
 Year: 2018  
 Product: PPR Plumbing System

Chadstone is envisioned to be a lifestyle catalyst at the heart of the largest manufacturing zone of Indonesia along the Bekasi-Cikampek corridor. The Chadstone's lifestyle superblock concept presents the perfect landmark into Cikarang's city development roadmap.



### Cimanggis, Indonesia

Project: Podomoro Golf View  
 Type: Residential  
 Product: PPR Plumbing System

Covering an area of 60 hectares, Podomoro Golf view will be integrated with Light Rail Transit mass transportation facilities and is only 100m from the exit of the Cimanggis toll road. Podomoro Golf View is a residence surrounded by 360° Golf View and near by the Cikeas river.

### Cengkareng, Indonesia

Project: Orchardz Hotel Bandara  
 Type: Hotels  
 Year: 2014  
 Product: PPR Plumbing System  
 Multilayer Plumbing System

Situated in Tangerang, this spa hotel is within 9 miles of Cengkareng Golf Club, Soewarna Business Park and Waterbom Jakarta. Damai Indah Golf and Country Club and Balekota Mall are also within 12 miles. A full-service spa, a restaurant and 24-hour room service are all available. Free breakfast is provided, as well as free self parking and a free airport shuttle.



### Jakarta, Indonesia

Project: Keraton  
 Type: Residential  
 Year: 2009  
 Product: PPR Plumbing System  
 Multilayer Plumbing System

Covering an area of 60 hectares, Podomoro Golf view will be integrated with Light Rail Transit mass transportation facilities and is only 100m from the exit of the Cimanggis toll road. Podomoro Golf View is a residence surrounded by 360° Golf View and near by the Cikeas river.



### Palembang, Indonesia

Project: Wyndham Opi Hotel  
 Type: Hotels  
 Year: 2017  
 Product: PPR Plumbing System  
 Multilayer Plumbing System

Conveniently located in Palembang's Opi entertainment precinct and just a short drive from the city center, Wyndham Opi Hotel Palembang is an elegant sanctuary for business and leisure travelers in South Sumatra. This full-service resort offers everything you need for a relaxing stay in western Indonesia, including an outdoor pool, spa, sauna, and fitness center.





Terminal 3 of the BCIA was the largest airport terminal-building complex in the world to be built in a single phase, with 986,000 square meters in total floor area at its opening. It features a main passenger terminal and two satellite concourses, all of them five floors above ground and two underground.

# CHINA

## Beijing, China

Project: Capital International Airport (T3)  
 Type: Public Buildings  
 Year: 2008  
 Product: PPR plumbing system



## Cangzhou, China

Project: Cangzhou Museum  
 Type: Public Buildings  
 Year: 2010  
 Product: PPR plumbing system

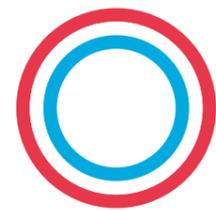
Cangzhou Museum opened in June, 2014. Covering with 32275 sq.m, the museum has 3 floors and mainly used for collection, display, education and communication.



## Nanyang, China

Project: Wanxi Pharmaceutical  
 Type: Commercial  
 Year: 2017  
 Product: PPR Plumbing System

Wanxi Pharmaceutical is ranked as one of the 100 biggest pharmaceutical companies. It also runs the largest concentrated pellet production base in China.



**PEX Plumbing System**



### Brisbane, Australia

Project: Aria Valencia Ap Artments  
 Type: Residential  
 Year: 2017  
 Product: Pex Plumbing System

The Aria Valencia is a 12-storey development featuring 125 luxury apartments with views of the Brisbane River at Kangaroo Point.



### Sydney, Australia

Project: Diamond Apartments  
 Type: Residential  
 Year: 2018  
 Product: Pex Plumbing System

The Diamond Apartments are a luxury development, by Rommark Corporation, in the heart of Bondi Junction. The development includes a mix of 67 apartments and 6 retail spaces.

Each of the apartments comes with a spectacular outdoor balcony and living space. Apartments on the upper levels also come with view out over the city - its a choice of the brilliant city lights or a view of the Sydney harbour.





It is a beautiful luxury apartment in Arq. Girault within the best area of Bosque Real. It has a kitchen, terrace, and excellent common areas with swimming pool, running track, paddle court and more.

### Mexico City, Mexico

Project: Encinares  
 Type: Residential  
 Year: 2018  
 Product: Underfloor Heating System



## Underfloor Heating System

## Arjeplog, Sweden

Project: Bosch Biltestanläggning  
Type: Industry  
Product: Underfloor Heating System



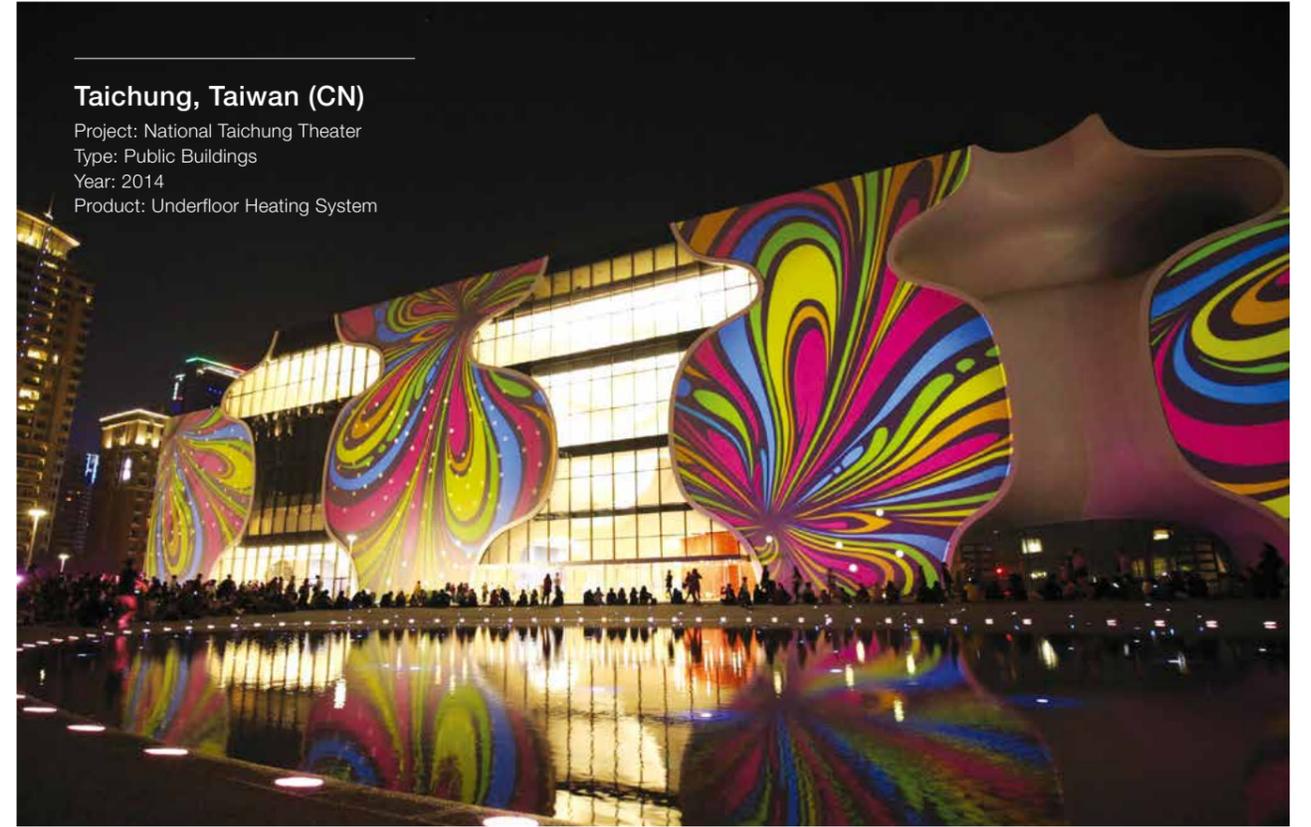
# SWEDEN

## Malmö, Sweden

Project: City Tunneln  
Type: Public Buildings  
Year: 2010  
Product: Underfloor Heating System

## Taichung, Taiwan (CN)

Project: National Taichung Theater  
Type: Public Buildings  
Year: 2014  
Product: Underfloor Heating System



The National Taichung Theater is an opera house in the Taichung's 7th Redevelopment Zone in the Xitun District of Taichung, Taiwan. The estimated area of the structure is 57,685 square metres.

## London, UK

Project: 3 sutherland Rd  
Type: Residential  
Year: 2015  
Product: Underfloor Heating System





# INDONESIA

---

## Tangerang, Banten, Indonesia

Project: Kingland Avenue  
Type: Apartment  
Years: 2019  
Product: PVC Rigid Conduit System



**PVC Conduit**



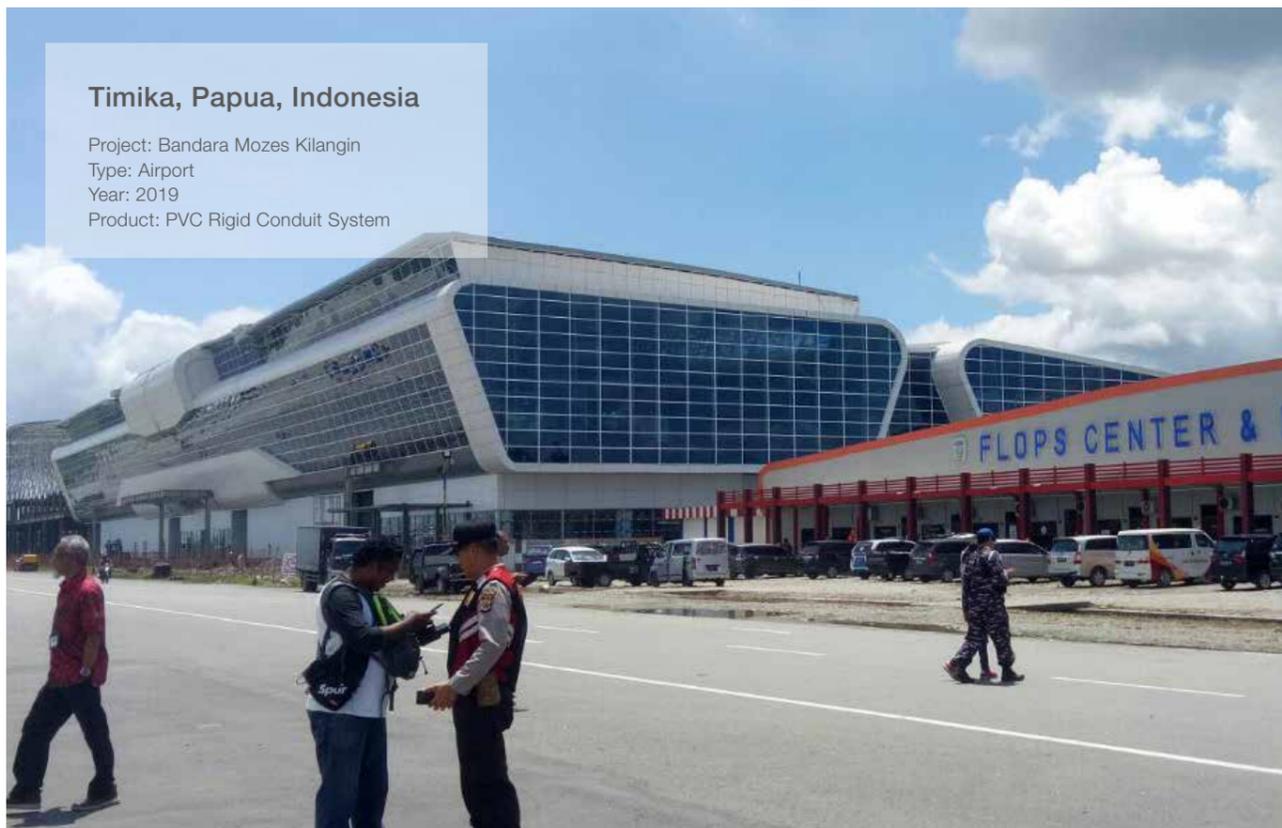
### Ambon, Maluku, Indonesia

Project: Hotel Maxone  
Type: 3 Star Hotel  
Years: 2019  
Product: PVC Rigid Conduit System



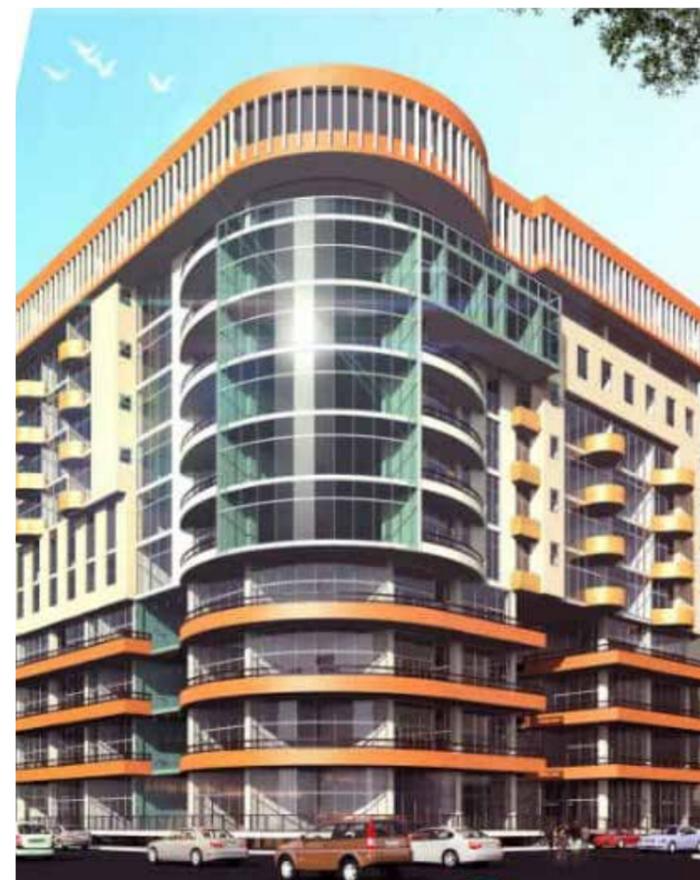
### Banjarmasin, Kalimantan, Indonesia

Project: Tower ATC Airnav  
Type: Airport  
Years: 2020  
Product: PVC Rigid Conduit System



### Timika, Papua, Indonesia

Project: Bandara Mozes Kilangin  
Type: Airport  
Year: 2019  
Product: PVC Rigid Conduit System



### Jakarta, Indonesia

Project: Perguruan Tinggi Ilmu Kepolisian  
Type: Education  
Years: 2020  
Product: PVC Rigid Conduit System

# Multilayer Air-Conditioning Piping System



## Merida, Mexico

Project: Via Montejo  
Type: Residential  
Year: 2017  
Product: Air-conditioning piping system

The modern and cosmopolitan design of the apartments in Via Montejo is complemented by a natural environment, surrounded by lakes and parks. An impressive 15-story residential tower for all lifestyles.



## Bekasi, Indonesia

Project: Grand Dhika City  
Type: Residential  
Year: 2015  
Product: Air-conditioning piping system

Located in Padurenan in the West Java region, Grand Dhika City has city views and is 30 km from Jakarta. The nearest airport is Halim Perdanakusuma Airport, 20 km away.

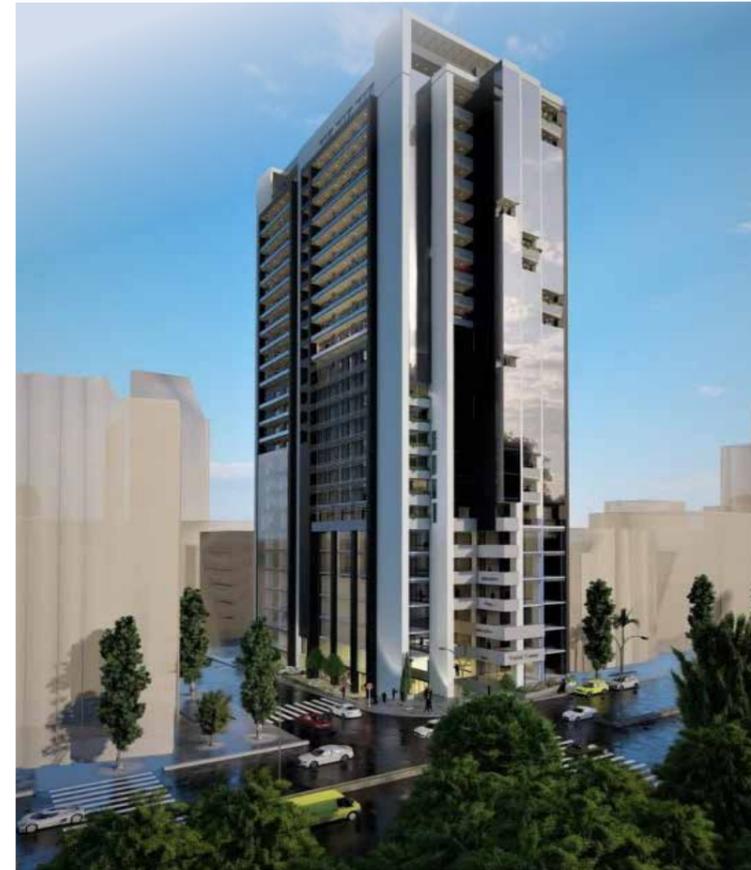
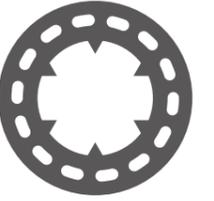


## Jakarta, Indonesia

Project: Wika Office Tower  
Type: Commercial  
Year: 2016  
Product: Air-conditioning piping system

WIKA Tower consists of 21 floors (16 main floors, 1 rooftop, and 4 basement floors). This building applied smart office.

# PVC Drainage System



## ETHIOPIA

### Yadot Tower, Ethiopia

Project: Yadot Tower Project  
Type: Mix-use building  
Year: 2021  
Product: PVC Drainage System

### Kidus Commercial Center, Ethiopia

Project: Kidus Commercial Center  
Type: Apartment  
Year: 2021  
Product: PVC Drainage System





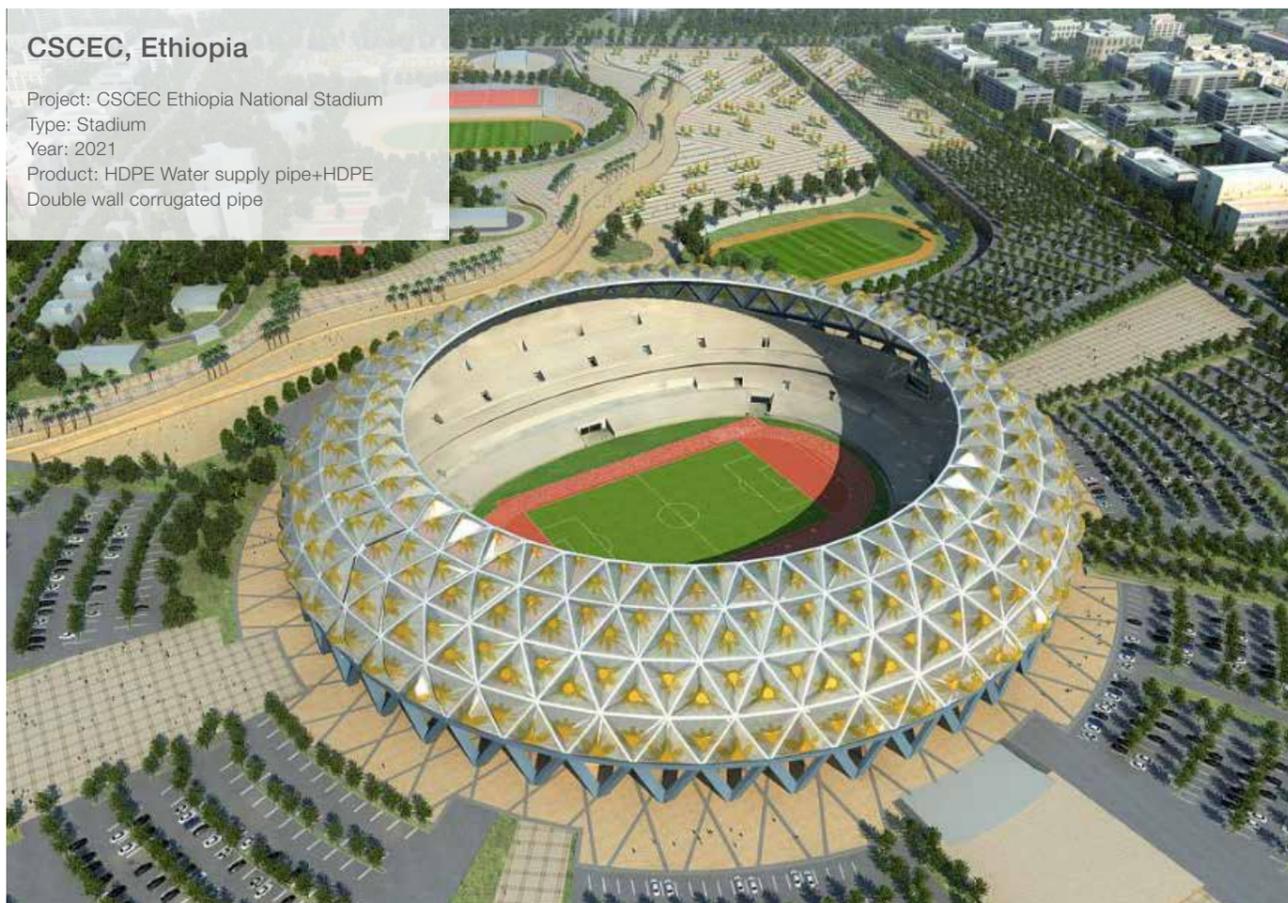
**MDM, Ethiopia**

Project: BOLE-RWANDA District Grand View Addis Project  
 Type: Apartment  
 Year: 2021  
 Product: PVC Drainage System+Multilayer Plumbing System



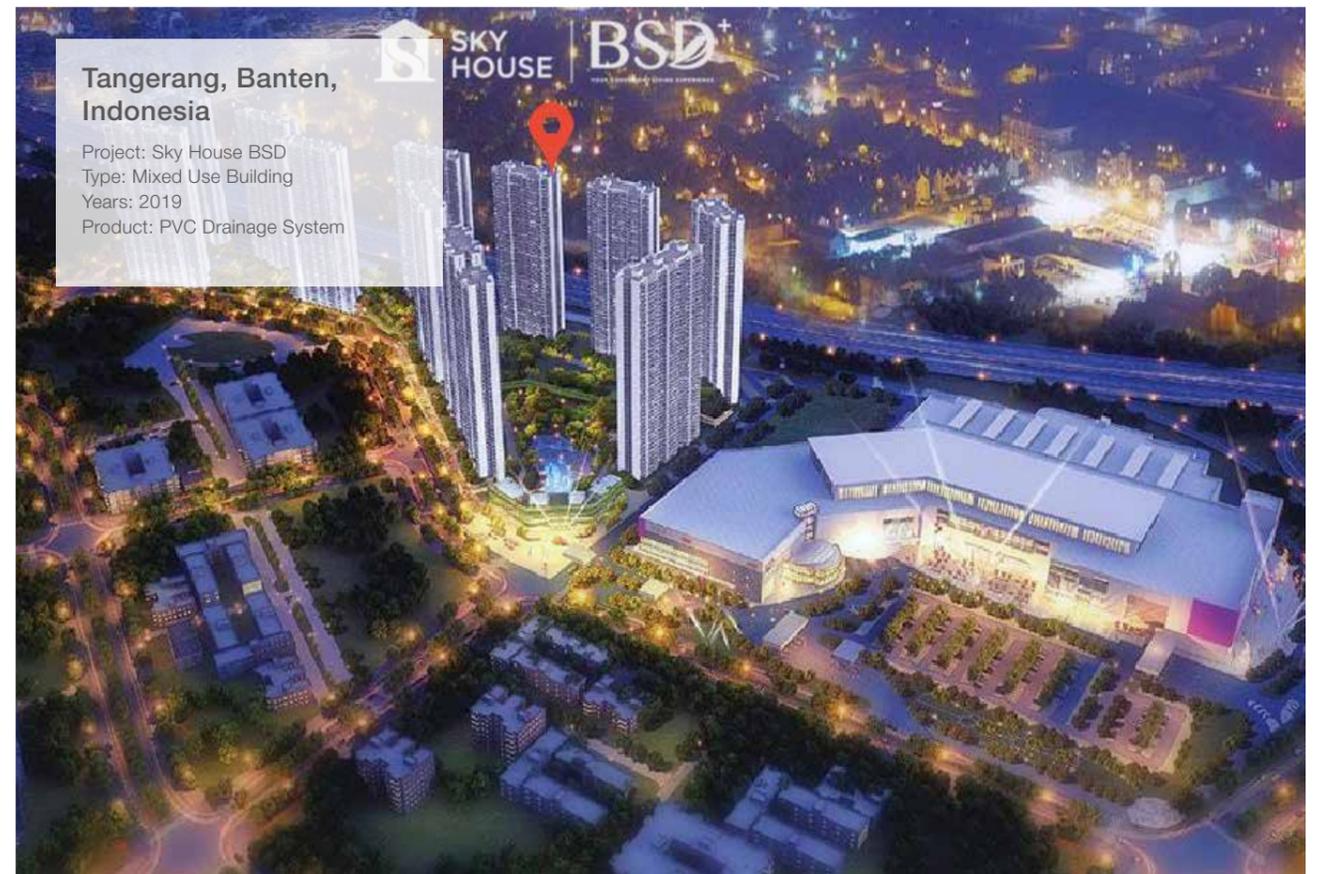
**Century Addis Real Estate, Ethiopia**

Project: Century Addis Real Estate- Brass Apartment Project  
 Type: Apartment  
 Year: 2021  
 Product: PVC Drainage System



**CSCEC, Ethiopia**

Project: CSCEC Ethiopia National Stadium  
 Type: Stadium  
 Year: 2021  
 Product: HDPE Water supply pipe+HDPE Double wall corrugated pipe



**Tangerang, Banten, Indonesia**

Project: Sky House BSD  
 Type: Mixed Use Building  
 Years: 2019  
 Product: PVC Drainage System

## Multilayer Plumbing System

Location	Project
Baku, Azerbaijan	International Central Bus Station
Kazakh region, Azerbaijan	Gazakh Olympic Sports Complex
Baku, Azerbaijan	Supreme Court of Azerbaijan
Baku, Azerbaijan	National Cancer Hospital
Baku, Azerbaijan	National Health Complex
Baku, Azerbaijan	Almaz park
Sheki, Azerbaijan	Marxal Resort & Spa
Gurd Shola, Ethiopia	Noah Garden Apartment
Atlas, Ethiopia	Dodi Extension Tower
Lebu, Ethiopia	New hope Luxury Apartment
Nefassilk Lafto, Ethiopia	Sikamas Mix-use 2 Blocks G+11 Building
Kazanchis, Ethiopia	Kazadis Plaza Mix-use G+19 Buidling
Bisrate Gabriel/Kelem, Ethiopia	Afroville Diplomatic Apartment 3 Blocks G+13 Building
Kera, Ethiopia	Eliita Mix-use G+20 Building
Kazanchis, Ethiopia	Hignlander Luxury Apartment
Bole, Ethiopia	MCO Commercial G+17 Building
CMC , Ethiopia	Mezabei 3 Blocks G+9 Building
Tallinn, Estonia	Green thinking house
Tallinn, Estonia	Woho home
Parnu, Estonia	Hedon Spa & Hotel
Tallinn, Estonia	Suur-Patarei 6
Tallinn, Estonia	MAXIMA Locistics Center
Tallinn, Estonia	Grand Hotel Viljandi
Tallinn, Estonia	Medical Lab SYNLAB in Veerenni 53A,
Tallinn, Estonia	MEERHOF 2.0
Pärnu, Eestonia	Wasa Resort
Pärnu, Eestonia	Pirniaia aedlinnak – Oja 41d
Pärnu, Eestonia	Vesiroosi 1 - LVM Kinnisvara
Utrecht, Netherlands	Domkerk Domtoren
Lima, Peru	Condominios Del Aire
Lima, Peru	Condominio Parques De La Huaca
Lima, Peru	Edificio Empresarial Andrés Belaunde
Baku, Azerbaijan	International Central Bus Station
Kazakh region, Azerbaijan	Gazakh Olympic Sports Complex
Baku, Azerbaijan	Supreme Court of Azerbaijan

Location	Project
Baku, Azerbaijan	National Cancer Hospital
Baku, Azerbaijan	National Health Complex
Baku, Azerbaijan	Almaz park
Sheki, Azerbaijan	Marxal Resort & Spa
Gurd Shola, Ethiopia	Noah Garden Apartment
Atlas, Ethiopia	Dodi Extension Tower
Lebu, Ethiopia	New hope Luxury Apartment
Nefassilk Lafto, Ethiopia	Sikamas Mix-use 2 Blocks G+11 Building
Kazanchis, Ethiopia	Kazadis Plaza Mix-use G+19 Buidling
Bisrate Gabriel/Kelem, Ethiopia	Afroville Diplomatic Apartment 3 Blocks G+13 Building
Kera, Ethiopia	Eliita Mix-use G+20 Building
Kazanchis, Ethiopia	Hignlander Luxury Apartment
Bole, Ethiopia	MCO Commercial G+17 Building
CMC , Ethiopia	Mezabei 3 Blocks G+9 Building
Tallinn, Estonia	Green thinking house
Tallinn, Estonia	Woho home
Parnu, Estonia	Hedon Spa & Hotel
Tallinn, Estonia	Suur-Patarei 6
Tallinn, Estonia	MAXIMA Locistics Center
Tallinn, Estonia	Grand Hotel Viljandi
Tallinn, Estonia	Medical Lab SYNLAB in Veerenni 53A,
Tallinn, Estonia	MEERHOF 2.0
Pärnu, Eestonia	Wasa Resort
Pärnu, Eestonia	Pirniaia aedlinnak – Oja 41d
Pärnu, Eestonia	Vesiroosi 1 - LVM Kinnisvara
Utrecht, Netherlands	Domkerk Domtoren
Lima, Peru	Condominios Del Aire
Lima, Peru	Condominio Parques De La Huaca
Lima, Peru	Edificio Empresarial Andrés Belaunde
Solna, Sweden	Mall of Scandinavia
Stockholm, Sweden	Tele 2 Arena
Goteborg, Sweden	Sahlgrenska sjukhuset
Leksand Municipality, Sweden	Cias Ohlsson Lager
Palampur, Himachal Pradesh, India	Hotel Sarovar Portico
Dharamsala, Himachal Pradesh, India	Hotel Pavillion

Location	Project
Lima, Peru	Edificio Empresarial Andrés Belaunde
Solna, Sweden	Mall of Scandinavia
Stockholm, Sweden	Tele 2 Arena
Goteborg, Sweden	Sahlgrenska sjukhuset
Leksand Municipality, Sweden	Cias Ohlsson Lager
Palampur, Himachal Pradesh, India	Hotel Sarovar Portico
Dharamsala, Himachal Pradesh, India	Hotel Pavillion
Dharamsala, Himachal Pradesh, India	HPCA Stadium
Jalandhar, Punjab, India	Club Cabbana
Jalandhar, Punjab, India	Country Inn Hotel
Jalandhar, Punjab, India	DAV University
Jalandhar, Punjab, India	DPS School
Jalandhar, Punjab, India	Fortune by ITC
Jalandhar, Punjab, India	Ramada Hotel
Jalandhar, Punjab, India	Green County
Jalandhar, Punjab, India	Hamilton Residency
Jalandhar, Punjab, India	AAGAAZ Hotel
Makhu, Punjab, India	Hero School
Jakarta, Indonesia	Hotels Harris &Yello
Bali, Indonesia	Stone Hotel Bali by Marriot
Bali, Indonesia	AYANA Resort and Spa
Bogor, Indonesia	Bumi Gumati
Cirebon, Indonesia	Hotel Bapontar
Lampung, Indonesia	Malahayati University
Batam, Indonesia	Batam University
Jakarta, Indonesia	Institute Kesehatan Indonesia
Tangerang, Indonesia	PDAM
Jakarta, Indonesia	Dr. Cipto Mangunkusumo Hospital
Jakarta, Indonesia	Medistra Hospital
Jakarta, Indonesia	Dapur Sehat (Sate Khas Senayan)
Tangerang, Indonesia	Burger King
Bintaro, Indonesia	The Breeze
Tangerang, Indonesia	IKEA Store in Indonesia
Norwich, England	The Fenlands

## Multilayer Gas System

Location	Project
Melbourne, Australia	Pier One
Melbourne, Australia	Nest At The Hill
Melbourne, Australia	Southbank Place
Melbourne, Australia	Eltham Leisure Centre
Brisbane, Australia	Infinity Tower
Medellin, Colombia	Saint Pierre
Envigado, Colombia	ZU 41 21
Envigado, Colombia	Lyon
Sabaneta, Colombia	Alameda
Medellin, Colombia	Amarello
Montevideo, Uruguay	Faros de carrasco
Montevideo, Uruguay	Diamantis Plaza
Yogyakarta, Indonesia	Uttara the Icon
Sydney, Australia	Flour Mill of Summer Hil
Melbourne, Australia	Quest Apartment Hotels
Brisbane, Australia	Ascot Residences
Sydney, Australia	Superlot 11
Sydney, Australia	Brodie Spark Drive Wolli Creek
Brisbane, Australia	Four Points Hotel
Melbourne, Australia	The Walker Apartments
Queensland, Australia	NEWPORT RETIREMENT VILLAGE
Doncaster, VIC, Australia	Summit - Doncaster Hill
Northcote, VIC, Australia	Merri Green
Homebush, NSW, Australia	Vogue Homebush
South Yarra, VIC, Australia	IGLU Student Accommodation
Queensland, Australia	Arcare Aged Centre
Piura, Peru	Edificio Las Tunas
Piura, Peru	Edificio Parque Piura
Piura, Peru	Edificio Trinitarias
Lima, Peru	Edificio Multifamiliar Madre Selva
Lima, Peru	Residencial Las Tunas
Cirebon, Indonesia	Sutan Raja Guest House
Batam, Indonesia	Holiday Inn

Location	Project
Karawang, Indonesia	Taman Sari Mahogany
Jakarta, Indonesia	Plaza Semanggi
Jakarta, Indonesia	Celebrity Fitness
Bogor, Indonesia	Gunung Putri Square
Karawang, Indonesia	Pesantren Al binaa
Cirebon, Bandung, Tegal, Jakarta, Batam, Indonesia	CGV Cinema
Tangerang, Indonesia	Decathlon Alam Sutera
Bekasi, Indonesia	JFE Steel Indonesia
Bekasi, Indonesia	PT. Sato Nagatomi
Bekasi, Indonesia	PT. Nittsu Shoji Indonesia
Cirebon, Indonesia	Mitra Plumbon Hospital
Bandung, Indonesia	Tamansari Tera
Tangerang, Indonesia	Parkland Avenue
Bandung, Indonesia	Hegarmanah
Bekasi, Indonesia	Chadstone Sales Gallery Cikarang
Bekasi, Indonesia	Metro Galaxy Park
Cimanggis, Indonesia	Podomoro Golf View
Cengkareng, Indonesia	Orchardz Hotel Bandara
Palembang, Indonesia	Wyndham Opi Hotel
Jakarta, Indonesia	Keraton
Goro, Ethiopia	Sunrise Luxury Apartment
Nakhonsawon, Thailand	42C Hotel
Samui Island, Thailand	Thai International Hospital
Uthai Thani, Thailand	Chantaram Temple
Amata City Rayong, Thailand	AUX Thailand Factory
Khao Yai ,Thailand	Ozone Hotel
Phathum Thani, Thailand	Green Latex Factory
Chon Buri, Thailand	The Hill Pattaya
Samui Island, Thailand	Sofitel So Samui
Beijing, China	Capital International Airport (T3)
Cangzhou, China	Cangzhou Museum
Nanyang, China	Wanxi Pharmaceutical

## Multilayer Air-conditioning system

Location	Project
Merida, Mexico	Via Montejo
Jakarta, Indonesia	Wika Office Tower
Bekasi, Indonesia	Grand Dhika City

## PP-R Plumbing System

Location	Project
Lima, Peru	Edificio Mocca
Lima, Peru	Sede Plaza La Tiza
Lima, Peru	Edificio Multifamiliar Sucre 260
Lima, Peru	Edificio Multifamiliar Jacinto Lara
Lima, Peru	Residencial Sorrento
Bali, Indonesia	Fox Harris Jimbaran Beach
Semarang, Indonesia	Hotel Chanti

## PVC System

Location	Project
Ethiopia	BOLE-RWANDA District Grand View Addis
Ethiopia	Yadot Tower
Ethiopia	Kidus Commercial Center
Ethiopia	Century Addis Real Estate
Ethiopia	CSCEC
Banjarmasin, Kalimantan, Indonesia	Tower ATC Airnav
Tangerang, Banten, Indonesia	Kingland Avenue
Ambon, Maluku, Indonesia	Hotel Maxone
Tangerang, Banten, Indonesia	Sky House BSD
Timika, Papua, Indonesia	Bandara Mozes Kilangin
Jakarta, Indonesia	Perguruan Tinggi Ilmu Kepolisian

## Pex plumbing system

Location	Project
Brisbane, Australia	Aria Valencia Ap Arments
Sydney, Australia	Diamond Apartments

## Underfloor Heating System

Location	Project
Mexico City, Mexico	Encinares
Arjeplog, Sweden	Bosch Blitestanläggning
Malmö, Sweden	City Tunneln
London, UK	3 sutherland Rd
Taichung, Taiwan (CN)	National Taichung Theater

# Certificate

Standard **ISO 9001:2015**  
 Certificate Registr. No. **01 100 009308/01**

Organization: **Rifeng Enterprise Group Co., Ltd.**  
 8/F., Rifeng Building, No. 16, Zumiao Road, Foshan City,  
 Guangdong Province 528000, P. R. China

Site: **c/o Rifeng Enterprise Group Co., Ltd.**  
 Unified Social Credit Code: 9144060061758718XL  
 Registration Address:  
 8/F., Rifeng Building, No. 16, Zumiao Road, Foshan City,  
 Guangdong Province 528000, P. R. China  
 Operation Address: same as above

Scope: Sales of Polyethylene / Aluminum / Polyethylene Composite  
 Pressure Pipes, Plastic Pipes, Pipe Fittings, Ball Valves,  
 Manifolds, Faucets, Shower Rooms, Shower Cabinets, Bathroom  
 Hardware Accessories, Ceramic Sanitary Wares, Silicone Sealant  
 for Construction, Metal Pipes and related Installing Tools

Validity: Proof has been furnished by means of an audit that the  
 requirements of ISO 9001:2015 are met.  
 The certificate is valid in conjunction with the main certificate 01  
 100 009308 from 2022-02-01 until 2025-01-31.  
 It remains valid subject to satisfactory surveillance audits.  
 This certificate information can be searched on CNCA official  
 website <http://www.cnca.gov.cn>

2022-01-19   
 TÜV Rheinland Cert GmbH  
 Am Grauen Stein · 51105 Köln

Authorized responsible office: TÜV Rheinland China Ltd., Room 301, 3F and Room  
 1203, 12F, Building 4, No. 15, Ronghua South Road, Beijing Economic-Technological  
 Development Area, Beijing (Yizhuang group in high-end industrial area of Beijing Pilot  
 Free Trade Zone), 100176, P. R. China




**TÜVRheinland®**  
 Precisely Right.

www.tuv.com



**Zhongjian Certification Co., Ltd.**

## CERTIFICATE OF CONFORMITY OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION

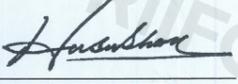
No:0070019S50848R1L

This is to certify that the occupational health and safety system of  
**RIFENG ENTERPRISE GROUP CO., LTD.**  
 REGISTER ADDRESS: 8F, RIFENG BUILDING, NO.16, ZUMIAO ROAD, FOSHAN CITY, GUANGDONG PROVINCE  
 PRODUCTION ADDRESS: NO.1, RIFENG ROAD, LEPING INDUSTRIAL PARK, SANSHUI DISTRICT,  
 FOSHAN CITY, GUANGDONG PROVINCE  
 Organization Code: 9144060061758718XL

is in conformity with  
**ISO 45001:2018 Standard**  
 This system is valid for the  
**THE RELATIVE MANAGEMENT ACTIVITIES OF DESIGN AND PRODUCTION OF  
 PRODUCTS OF ALUMINUM MODELS COMPOSITE PRESSURE PIPES, PLASTIC  
 PIPES, BATHROOM HARDWARES, PIPE FITTINGS AND INSTALLATION TOOLS**

(This certificate only covers the sites listed. If the covered scope involves pre-approval of administration permit or compulsory certification requirement, the scope only covers products and services within the permit license or compulsory certification scope)  
 Date of issue: 2019-06-03  
 Term of validity of this certificate: from 2019-06-03 to 2022-06-02 inclusive  
 This certificate remains valid only if the certified organization accepts and passes regular surveillance audits.



  
 Representative of The Company



中国认可  
 管理体系  
 MANAGEMENT SYSTEM  
 CNAS C007- M

The validity of this certificate could be confirmed via official Website Of CNCA ([www.cnca.gov.cn](http://www.cnca.gov.cn))  
 Further to the certificate applicability, please enquire the certified organization: visit [www.gzcc.org.cn](http://www.gzcc.org.cn) or contact CZCC 020-66390902  
 4/F, Huajing Building, Guangzhou Dadaozhong, Guangzhou City, Guangdong Province, China (510600) Zhongjian Certification Co., Ltd.

# Multilayer Plumbing System Certificates



ISO14001

Zhongjian Certification Co., Ltd.

## CERTIFICATE OF CONFORMITY OF ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION

No:0070019E50900R5L

This is to certify that the environmental system of  
**RIFENG ENTERPRISE GROUP CO., LTD.**  
REGISTER ADDRESS: 8F, RIFENG BUILDING, NO.16, ZUMIAO ROAD, FOSHAN CITY, GUANGDONG PROVINCE  
 PRODUCTION ADDRESS: NO.1, RIFENG ROAD, LEPING INDUSTRIAL PARK, SANSHUI DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE

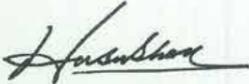
Organization Code: 9144060061758718XL

is in conformity with  
**GB/T 24001-2016/ISO14001:2015 Standard**

This system is valid for the  
**THE RELATIVE MANAGEMENT ACTIVITIES OF DESIGN AND PRODUCTION OF PRODUCTS OF ALUMINUM MODELS COMPOSITE PRESSURE PIPES, PLASTIC PIPES, BATHROOM HARDWARES, PIPE FITTINGS AND INSTALLATION TOOLS**

(This certificate only covers the sites listed. If the covered scope involves pre-approval of administration permit or compulsory certification requirement, the scope only covers products and services within the permit license or compulsory certification scope.)  
 Date of issue: 2019-06-03  
 Term of validity of this certificate: from 2019-06-03 to 2022-06-02 inclusive  
 This certificate remains valid only if the certified organization accepts and passes regular surveillance audits.





Representative of The Company



MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C007-M

The validity of this certificate could be confirmed via official Website Of CNCA ([www.cnca.gov.cn](http://www.cnca.gov.cn))  
 Further to the certificate applicability, please enquire the certified organization: visit [www.gzcc.org.cn](http://www.gzcc.org.cn) or contact GZCC 020-66390902  
 4/F, Huajing Building, Guangzhou Dadaozhong, Guangzhou City, Guangdong Province, China (510600) Zhongjian Certification Co., Ltd.

**CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON**  
 Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé  
 Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*.1321-52 du code de la santé publique

**ATTESTATION DE CONFORMITE SANITAIRE**  
**Certificate of sanitary conformity**

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la santé  
 Direction Générale de la Santé DGS/SD7A 2002 n°571 du 25 novembre 2002

**Coordonnées du demandeur des essais / Contact details of the ACS owner :**

**RIFENG ENTERPRISE GROUP CO., LTD.**  
 5F/Rifeng Building, No. 16 Zumiao Road  
 Foshan City 528000  
 GUANGDONG PROVINCE  
 P.R. CHINA

**Nom de l'accessoire représentatif / Reference of the representative accessory :**  
**Raccord à compression, corps en laiton brut / Compression fittings, nude brass body F1 equal tee 12mm**

N° de dossier attribué par le laboratoire habilité / File reference : **20 ACC LY 429**

Date de réalisation des essais d'inertie selon la norme XP P41-280 : Aucun essai n'est nécessaire pour délivrer l'ACS  
 Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : Les accessoires sont assemblés à l'aide de composants conformes à la réglementation  
 Comments : Accessories are assembled using components complying with the regulation.

**Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :**  
**Raccords à compression F1 en laiton CW617N ou CW614N brut ou nickelé extérieur /**  
**Compression fittings F1 in nude CW617N or CW614N brass or outer surface nickel plated**

Références / References :

Voir Annexe Jointe / See Annex Enclosed  
(1 page)

Attestation délivrée par : **Christelle AUTUGELLE** Signature :   
 Responsable Laboratoire MCDE  
 CARSO - L.S.E.H.L.

A la date du / Date of issue : **10 Septembre 2020**  
 Date d'expiration / Expiration date : **2 juillet 2025**

Commentaires / Comments : **Renouvellement / Renewal 15 ACC LY 490**

F. MC060-b-15/09/2014 MLN  
 Société par action simplifiée au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313  
 Siège Social et Laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03  
 Site web : [www.groupecarso.com](http://www.groupecarso.com) - e-mail : [mcde@groupecarso.com](mailto:mcde@groupecarso.com)

# CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*.1321-52 du code de la santé publique

## ATTESTATION DE CONFORMITE SANITAIRE

*Certificate of sanitary conformity*

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la santé

Direction Générale de la Santé DGS/SD7A 2002 n°571 du 25 novembre 2002

Coordonnées du demandeur des essais / Contact details of the ACS owner :

RIFENG ENTERPRISE GROUP CO., LTD.  
5F/Rifeng Building, No. 16 Zumiao Road  
Foshan City 528000  
GUANGDONG PROVINCE  
P.R. CHINA

Nom de l'accessoire représentatif / Reference of the representative accessory :

Raccord à sertir en laiton brut / Press fittings in nude brass F9 Equal tee 12mm

N° de dossier attribué par le laboratoire habilité / File reference : 20 ACC LY 430

Date de réalisation des essais d'inertie selon la norme XP P41-280 : Aucun essai n'est nécessaire pour délivrer l'ACS

Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : Les accessoires sont assemblés à l'aide de composants conformes à la réglementation

Comments : Accessories are assembled using components complying with the regulation.

Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

Raccords à sertir F9 en laiton CW617N ou CW614N brut ou nickelé extérieur /

Press fittings F9 in nude CW617N or CW614N brass or outer surface nickel plated

Références / References :

Voir Annexe Jointe / See Annex Enclosed

(1 page)

Attestation délivrée par : Christelle AUTUGELLE

Signature :

Responsable Laboratoire MCDE

CARSO - L.S.E.H.L.

A la date du /Date of issue : 10 Septembre 2020

Date d'expiration / Expiration date : 2 juillet 2025

Commentaires / Comments : Renouvellement / Renewal 15 ACC LY 491

F. MC060-h.15/09/2014.MLN

Société par action simplifiée au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313

Siège Social et laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03

Site web : www.groupecarso.com - e-mail : mcde@groupecarso.com

# CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*.1321-52 du code de la santé publique

## ATTESTATION DE CONFORMITE SANITAIRE

*Certificate of sanitary conformity*

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la santé

Direction Générale de la Santé DGS/SD7A 2002 n°571 du 25 novembre 2002

Coordonnées du demandeur des essais / Contact details of the ACS owner :

RIFENG ENTERPRISE GROUP CO., LTD.  
5F/Rifeng Building, No. 16 Zumiao Road  
Foshan City 528000  
GUANGDONG PROVINCE  
P.R. CHINA

Nom de l'accessoire représentatif / Reference of the representative accessory :

Raccord à sertir en laiton brut / Press fittings in nude brass F18 Equal tee 12mm

N° de dossier attribué par le laboratoire habilité / File reference : 20 ACC LY 431

Date de réalisation des essais d'inertie selon la norme XP P41-280 : Aucun essai n'est nécessaire pour délivrer l'ACS

Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : Les accessoires sont assemblés à l'aide de composants conformes à la réglementation

Comments : Accessories are assembled using components complying with the regulation.

Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

Raccords à sertir F18 en laiton CW617N ou CW614N brut ou nickelé extérieur /

Press fittings F18 in nude CW617N or CW614N brass or outer surface nickel plated

Références / References :

Voir Annexe Jointe / See Annex Enclosed

(1 page)

Attestation délivrée par : Christelle AUTUGELLE

Signature :

Responsable Laboratoire MCDE

CARSO - L.S.E.H.L.

A la date du /Date of issue : 10 Septembre 2020

Date d'expiration / Expiration date : 10 septembre 2025

Commentaires / Comments : Renouvellement / Renewal 15 ACC LY 584

F. MC060-h.15/09/2014.MLN

Société par action simplifiée au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313

Siège Social et laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03

Site web : www.groupecarso.com - e-mail : mcde@groupecarso.com

# CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R1.1321-52 du code de la santé publique

## ATTESTATION DE CONFORMITE SANITAIRE

Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé

Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

### Coordonnées du demandeur d'ACS / Contact details of the ACS owner :

RIFENG ENTREPRISE GROUP CO., LTD.  
5F/ Rifeng Building, No. 16 Zumiao Road  
Foshan City 528000  
GUANGDONG PROVINCE  
P.R. China

### Nom de l'accessoire représentatif / Reference of the representative accessory :

Raccord à sertir en laiton brut / Press fitting nude brass body F5 Equal Tee DN12

N° de dossier attribué par le laboratoire habilité / File reference : 18 ACC LY 813

Date de réalisation des essais d'inertie selon la norme XP P41-280 : aucun essai de migration n'est nécessaire

Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : Aucun essai de migration n'est nécessaire à l'obtention de cette ACS (composants conformes).

Comments : No testing is required to issue this ACS (components are compliant).

### Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

Raccords à sertir F5 et F8 en laiton CW617N, CW614N ou CW602N brut ou nickelé extérieur  
Press fittings F5 and F8 in nude or outer surface nickel plated brass CW617N, CW614N or CW602N

Références / References (102 références):

Voir Annexe Jointe / See Annex Enclosed  
( 3 pages )

### Attestation délivrée par / Certificate issued by :

Christelle AUTUGELLE Signature :  
Responsable MCDE  
CARSO - L.S.E.H.L.

Date de délivrance / Date of issue : 23 Mai 2019

Date d'expiration / Expiry date : 21 Décembre 2023

Commentaires / Comments : Renouvellement / Renewal 13 ACC LY 776

Mise à jour de l'ACS par ajout de référence. Cette ACS conserve donc la même date de d'expiration que celle émise le 21 Décembre 2018 / This ACS is an update of the ACS issued on December 21, 2018 (additional reference). Consequently, its expiry date remains the same.

F - MC0603-95-09-2014 MLN Née au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313

Siège Social et laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03

Site web : www.groupecarso.com - e-mail : mcde@groupecarso.com

# AENOR

## AENOR Product Certificate Plastics



001/006959

AENOR certifies that the organization

### RIFENG ENTERPRISE GROUP, CO., LTD.

registered office 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN 528000  
GUANGDONG (China)

supplies Multilayer piping systems PEX for hot and cold water installations inside  
buildings

in conformity with standard UNE-EN ISO 21003

UNE-EN ISO 21003-1:2009 (EN ISO 21003-1:2008)
UNE-EN ISO 21003-1:2009 ERRATUM:2009
UNE-EN ISO 21003-2:2009 (EN ISO 21003-2:2008)
UNE-EN ISO 21003-2:2009 ERRATUM:2009
UNE-EN ISO 21003-2:2009/A1:2011 (EN ISO 21003-2:2008/A1:2011)
UNE-EN ISO 21003-3:2009 (EN ISO 21003-3:2008)
UNE-EN ISO 21003-3:2009 ERRATUM:2009
UNE-EN ISO 21003-5:2009 (EN ISO 21003-5:2008)
UNE-EN ISO 21003-5:2009 ERRATUM:2009

System description See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.71.

First issued on 2019-07-11  
Validity date 2024-07-11

Rafael GARCIA MEIRO  
Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL SAU.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00 - www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR002.001

# AENOR

## AENOR Product Certificate Plastics



001/005976

AENOR certifies that the organization

### RIFENG ENTERPRISE GROUP, CO., LTD.

registered office 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD,  
FOSHAN 528000 GUANGDONG (China)

supplies Multilayer piping systems PERT for hot and cold water installations inside  
buildings

in conformity with standard UNE-EN ISO 21003 UNE-EN ISO 21003-1:2009 (EN ISO 21003-1:2008)  
UNE-EN ISO 21003-1:2009 ERRATUM:2009  
UNE-EN ISO 21003-2:2009 (EN ISO 21003-2:2008)  
UNE-EN ISO 21003-2:2009 ERRATUM:2009  
UNE-EN ISO 21003-2:2009/A1:2011 (EN ISO 21003-2:2008/A1:2011)  
UNE-EN ISO 21003-3:2009 (EN ISO 21003-3:2008)  
UNE-EN ISO 21003-3:2009 ERRATUM:2009  
UNE-EN ISO 21003-5:2009 (EN ISO 21003-5:2008)  
UNE-EN ISO 21003-5:2009 ERRATUM:2009

references Specified in Annex to the Certificate

Certification scheme In order to grant this Certificate, AENOR has tested the product and has  
verified the quality system implemented for its manufacture. AENOR  
performs these tasks periodically while the Certificate has not been  
cancelled, in accordance with Specific Rules RP 01.71.

First issued on 2013-04-10  
Last issued on 2018-04-10  
Validity date 2023-04-10

Rafael GARCÍA MEIRO  
Chief Executive Officer

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR002.001

Original Electronic Certificate

# AENOR

## AENOR Product Certificate Plastics



001/007306

AENOR certifies that the organization

### RIFENG ENTERPRISE (FOSHAN) CO., LTD

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000  
Guangdong (China)

supplies Multilayer piping systems PERT for hot and cold water installations inside  
buildings

conformity with standard UNE-EN ISO 21003 Specified in Annex to the Certificate

System description Trademark: RIIFO  
Application class / Design Pressure(bar): 1/6 ; 2/6 ; 4/6 ; 5/6  
Pipes producer: RIFENG ENTERPRISE GROUP, CO., LTD.  
(Foshan city - China)  
Fittings producer: RIFENG ENTERPRISE GROUP, CO., LTD.  
(Foshan city- China)  
Type of joint: PRESS FITTING  
Type of clamp: U

See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has  
verified the quality system implemented for its manufacture. AENOR  
performs these tasks periodically while the Certificate has not been  
cancelled, in accordance with Specific Rules RP 01.71.

First issued on 2021-10-26  
Validity date 2023-04-10

Rafael GARCÍA MEIRO  
Chief Executive Officer

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1/C-PR271

Original Electronic Certificate

# AENOR

## AENOR Product Certificate Plastics



001/007307

AENOR certifies that the organization

### RIFENG ENTERPRISE (FOSHAN) CO., LTD

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000 Guangdong (China)

supplies Multilayer pipe systems for indoor gas installations with a maximum operating pressure (MOP) up to and including 5 bar (500 kPa)

in compliance with UNE 53008-1:2014

System description Trademark: RIIFO  
Color pipes: Yellow  
Intended use: Suitable for indoor and outdoor installations  
Pipes and fittings producer: RIFENG ENTERPRISE GROUP, CO., LTD.  
(Foshan city - China)  
Type of welding of the pipes: Solape  
Type of joint: Press fitting  
Type of clamp: U

See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.82.

First issued on 2021-10-26  
Validity date 2026-02-10

  
Rafael GARCÍA MEIRO  
Chief Executive Officer

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid, España  
Tel. 91 432 60 00.- www.aenor.com

Original Electronic Certificate

# AENOR

## AENOR Product Certificate Plastics



001/005975

AENOR certifies that the organization

### RIFENG ENTERPRISE GROUP, CO., LTD.

registered office 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN 528000 GUANGDONG (China)

supplies Multilayer piping systems PEX for hot and cold water installations inside buildings

in conformity with standard UNE-EN ISO 21003 UNE-EN ISO 21003-1:2009 (EN ISO 21003-1:2008)  
UNE-EN ISO 21003-1:2009 ERRATUM:2009  
UNE-EN ISO 21003-2:2009 (EN ISO 21003-2:2008)  
UNE-EN ISO 21003-2:2009 ERRATUM:2009  
UNE-EN ISO 21003-2:2009/A1:2011 (EN ISO 21003-2:2008/A1:2011)  
UNE-EN ISO 21003-3:2009 (EN ISO 21003-3:2008)  
UNE-EN ISO 21003-3:2009 ERRATUM:2009  
UNE-EN ISO 21003-5:2009 (EN ISO 21003-5:2008)  
UNE-EN ISO 21003-5:2009 ERRATUM:2009

references Specified in Annex to Certificate

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.71.

First issued on 2013-04-10  
Last issued on 2018-04-10  
Validity date 2023-04-10

  
Rafael GARCÍA MEIRO  
Chief Executive Officer

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid, España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR002.001

Original Electronic Certificate

# AENOR

## AENOR Product Certificate Plastics



001/007305

AENOR certifies that the organization

### RIFENG ENTERPRISE (FOSHAN) CO., LTD

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000 Guangdong (China)

supplies Multilayer piping systems PEX for hot and cold water installations inside buildings

conformity with standard UNE-EN ISO 21003 Specified in Annex to the Certificate

System description Trademark: RIIFO  
Application class / Design Pressure(bar): 1/6 ; 2/6 ; 4/6 ; 5/6  
Pipes and fittings producer: RIFENG ENTERPRISE GROUP, CO., LTD. (Foshan city - China)  
Type of joint: PRESS FITTING  
Type of clamp: U

See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.71.

This certificate supersedes 001/007305, dated 2021-10-28

First issued on 2021-10-26  
Modified on 2021-11-10  
Validity date 2023-04-10

Rafael GARCÍA MEIRO  
Chief Executive Officer

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1JC-PR271

**CSTB**  
le futur en construction

Organisme certificateur  
**Certification body**



## Certificat

### Canalisations de distribution ou d'évacuation des eaux Chauffage et distribution sanitaire RIFENG PEX/AL/PEX

Le CSTB atteste que le produit ci-dessus est conforme à des caractéristiques décrites dans le référentiel de certification QB 08 Canalisations de distribution ou d'évacuation des eaux en vigueur après évaluation selon les modalités de contrôle définies dans ce référentiel.

En vertu de la présente décision, le CSTB accorde à :

**La société** RIFENG ENTERPRISE (FOSHAN) CO LTD  
5th/F Rifeng Building, No 16, Zumaio Road - CN - 528000 FOSHAN GUANGDONG P.R.  
**Usine** CN - FOSHAN - GUANGDONG PROVINCE

le droit d'usage de la marque QB 08 Canalisations de distribution ou d'évacuation des eaux pour le produit objet de cette décision, pour toute sa durée de validité et dans les conditions prévues par les exigences générales de la marque QB et le référentiel mentionné ci-dessus.



Décision de reconduction n° 4618-266-2009 du 5 mars 2021. Cette décision se substitue aux décisions de reconduction n° 4433-266-2009\_V3 et n° 4430-266-2009\_V3 du 13 février 2020

Sauf retrait, suspension ou modification, ce certificat est valide. Le certificat en vigueur peut être consulté sur le site internet <http://evaluation.cstb.fr> pour en vérifier sa validité.

#### CARACTÉRISTIQUES CERTIFIÉES



EAU POTABLE CHAUFFAGE BASSE TEMPÉRATURE CHAUFFAGE HAUTE TEMPÉRATURE EAU GLACÉE RÉSISTANCE À L'OXYDATION DURABILITÉ

Norme applicable : NF EN ISO 21003

NATURE DU SYSTÈME : Système multicouche

- Tube multicouche à âme aluminium :
  - Caractéristiques dimensionnelles
  - Résistance à la pression
  - Résistance à la décohésion
  - Taux de gel sur couche intérieure PEX
  - Résistance à l'oxydation sur couche intérieure PEX
- Raccords à compression métalliques :
  - Analyse de la composition des raccords métalliques par spectrométrie d'émission optique à étincelles
  - Caractéristiques dimensionnelles
  - Résistance à la pression
- Raccords à sertir métalliques :
  - Analyse de la composition des raccords métalliques par spectrométrie d'émission optique à étincelles
  - Caractéristiques dimensionnelles
  - Résistance à la pression

Ce certificat comporte 15 pages.  
Correspondant :  
Emna OMRI  
Courriel : emna.omri@cstb.fr  
Tél. : 01 61 44 81 46

Pour le CSTB  
Pour le Président

Edwige PARISEL

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT  
84 avenue Jean Jaurès - Champs-sur-Marne - 77447 Marne-la-Vallée cedex 2  
Tél. : +33 (0)1 64 68 82 82 - Fax : +33 (0)1 64 68 89 94 - www.cstb.fr  
MARNE-LA-VALLÉE / PARIS / GRENOBLE / NANTES / SOPHIA ANTIPOLIS

cofrac  
ACCREDITATION  
N° 5-0010  
Scope  
available on /  
Fichier  
disponible sur  
www.cofrac.fr  
CERTIFICATION  
DE PRODUITS  
ET SERVICES



CERT

## DVGW-Baumusterprüfzertifikat

### DVGW type examination certificate

DW-8236BP0451  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise (Foshan) Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Verbundrohre für die Trinkwasserinstallation: PE-RT/Al/PE-RT-Rohr, Fert.-Gr. 1 (8236)
<b>Produktbezeichnung</b> <i>product description</i>	Verbundrohr PE-RT/Al/PE-RT für die Trinkwasserinstallation
<b>Modell</b> <i>model</i>	RIIFO
<b>Prüfberichte</b> <i>test reports</i>	Kontrollprüfung Labor: 385118/1.1/1349198 vom 30.04.2019 (SKZ) Mechanikprüfung: V195/17A vom 05.12.2017 (SKZ) Mechanikprüfung: 385114/W1.1/114035 vom 23.02.2015 (SKZ) Baumusterprüfung: 60147/03 vom 14.10.2004 (SKZ) KTW-Prüfung: KR 025/19 vom 18.03.2019 (TZW) Mikrobiologische Prüfung: MO 046/15 vom 27.07.2015 (TZW)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW W 542 (01.08.2009) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)
<b>Ablaufdatum / AZ</b> <i>date of expiry / file no.</i>	14.10.2024 / 21-0944-WNR

10.11.2021 GI B-1/2  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*



DVGW CERT GmbH  
Zertifizierungsstelle  
Josef-Wirmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993  
www.dvgw-cert.com  
info@dvgw-cert.com



CERT

## DVGW-Baumusterprüfzertifikat

### DVGW type examination certificate

DW-8236BP0451  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Verbundrohre für die Trinkwasserinstallation: PE-RT/Al/PE-RT-Rohr, Fert.-Gr. 1 (8236)
<b>Produktbezeichnung</b> <i>product description</i>	Verbundrohr PE-RT/Al/PE-RT für die Trinkwasserinstallation
<b>Modell</b> <i>model</i>	RIFENG
<b>Prüfberichte</b> <i>test reports</i>	Kontrollprüfung Labor: 385118/1.1/1349198 vom 30.04.2019 (SKZ) Mechanikprüfung: V195/17A vom 05.12.2017 (SKZ) Mechanikprüfung: 385114/W1.1/114035 vom 23.02.2015 (SKZ) Baumusterprüfung: 60147/03 vom 14.10.2004 (SKZ) KTW-Prüfung: KR 025/19 vom 18.03.2019 (TZW) Mikrobiologische Prüfung: MO 046/15 vom 27.07.2015 (TZW)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW W 542 (01.08.2009) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)
<b>Ablaufdatum / AZ</b> <i>date of expiry / file no.</i>	14.10.2024 / 19-0370-WNV

07.08.2019 LE A-1/2  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*



DVGW CERT GmbH ist von der DAKKS nach DIN EN ISO/IEC 17065:2013  
akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und  
Wasserversorgung.  
DVGW CERT GmbH is an accredited body by DAKKS according to DIN EN  
ISO/IEC 17065:2013 for certification of products for energy and water supply  
industry.

DVGW CERT GmbH  
Zertifizierungsstelle  
Josef-Wirmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993  
www.dvgw-cert.com  
info@dvgw-cert.com



## DVGW-Baumusterprüfzertifikat

### DVGW type examination certificate

**DW-8501BQ0166**  
Registriernummer  
registration number

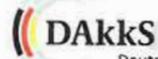
<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise (Foshan) Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise (Foshan) Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Installationssysteme und Systemverbinder: Trinkwasserinstallationssystem (8501)
<b>Produktbezeichnung</b> <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Pressverbindern aus Metall und Verbundrohren PE-RT/Al/PE-RT
<b>Modell</b> <i>model</i>	System "Foshan Rifeng"
<b>Prüfberichte</b> <i>test reports</i>	Kontrollprüfung Labor: 4101916 vom 18.06.2019 (SKZ) Kontrollprüfung Labor: RA3851.202060.19 vom 21.10.2019 (SKZ) Mechanikprüfung: 385115/W0.1/117804 vom 28.09.2015 (SKZ) Ergänzungsprüfung: 73659/06 vom 29.12.2006 (SKZ) Baumusterprüfung: 65222/04 vom 12.05.2005 (SKZ) UBA-Leitlinie: K-277472-16-Ko vom 04.10.2016 (WHY)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW W 534-(P) (01.07.2015) DVGW CERT ZP 8500 (09.03.2017) UBA METALLE (21.11.2018) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
<b>Ablaufdatum / AZ</b> <i>date of expiry / file no.</i>	12.05.2025 / 20-0142-WNV

19.03.2020 LE A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



Deutsche  
Akkreditierungsstelle  
D-ZE-16028-01-05

DVGW CERT GmbH  
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3  
53123 Bonn

Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993

www.dvgw-cert.com  
info@dvgw-cert.com



## DVGW-Baumusterprüfzertifikat

### DVGW type examination certificate

**DW-8501CS0420**  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Installationssysteme und Systemverbinder: Trinkwasserinstallationssystem (8501)
<b>Produktbezeichnung</b> <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Klemmverbindern aus Metall (Typ M-MV) und Verbundrohren (PE-RT/Al/PE-RT)
<b>Modell</b> <i>model</i>	F1C
<b>Prüfberichte</b> <i>test reports</i>	Baumusterprüfung: V190/17A vom 06.12.2017 (IMA)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW CERT ZP 8500 (09.03.2017) DVGW W 534-(P) (01.07.2015) UBA METALLE (15.03.2017) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
<b>Ablaufdatum / AZ</b> <i>date of expiry / file no.</i>	06.12.2022 / 17-0639-WNE

12.12.2017 GI A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



Deutsche  
Akkreditierungsstelle  
D-ZE-16028-01-05

DVGW CERT GmbH  
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3  
53123 Bonn

Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993

www.dvgw-cert.com  
info@dvgw-cert.com



## DVGW-Baumusterprüfzertifikat DVGW type examination certificate

**DW-8501CS0420**  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Installationssysteme und Systemverbinder: Trinkwasserinstallationssystem (8501)
<b>Produktbezeichnung</b> <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Klemmverbindern aus Metall (Typ M-MV) und Verbundrohren (PE-RT/Al/PE-RT)
<b>Modell</b> <i>model</i>	F1C
<b>Prüfberichte</b> <i>test reports</i>	Baumusterprüfung: V190/17A vom 06.12.2017 (IMA)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW CERT ZP 8500 (09.03.2017) DVGW W 534-(P) (01.07.2015) UBA METALLE (15.03.2017) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)

**Ablaufdatum / AZ** 06.12.2022 / 17-0639-WNE  
*date of expiry / file no.*

12.12.2017 GI A-1/2  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



DVGW CERT GmbH  
Zertifizierungsstelle  
Josef-Wirmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993  
www.dvgw-cert.com  
info@dvgw-cert.com



# Certificat Certificate

**Réseaux de chauffage et  
distribution sanitaire**  
*Piping systems for hot and cold  
water installations*

Page 1 / 6  
Extension N° 81323 du 23/04/2021  
Extension N° 81323 from 23/04/2021  
Date de fin de validité / Expiry date : 23/01/2022

**RIFENG ENTERPRISE GROUP CO LTD**  
N°16 ZUMIAO ROAD RIFENG BUILDING CN- 528000 FOSHAN CITY

**N° titulaire / Holder:** 012  
**Site de production / Production site:** Foshan, Chine – 012/01  
**Première admission / First admission:** 19/02/2019

### SYSTEME MULTICOUCHE MULTILAYER SYSTEM

Est autorisée à apposer la marque NF en application des règles générales de la marque NF et du référentiel de certification de NF - Réseaux de chauffage et distribution sanitaire pour le/les produit(s) cité(s) en annexe.  
*Is authorized to affix the NF mark on the product(s) listed in appendix, in accordance with the general rules of the NF mark and the NF - Piping systems for hot and cold water installations certification scheme.*

Ce certificat atteste que les produit(s) désigné(s) en annexe est (sont) certifié(s) conforme(s) aux normes citées en annexe et aux exigences supplémentaires après évaluation par AFNOR Certification tel que spécifié dans le référentiel de certification NF - Réseaux de chauffage et distribution sanitaire.  
*This certificate attests that the product(s) mentioned in appendix have been assessed by AFNOR Certification and found to conform with the standards cited in appendix and complementary requirements, as specified in the NF - Piping systems for hot and cold water installations certification scheme.*

La durée de vie conventionnelle est de 50 ans. *Conventional life is 50 years.*

- |  |  |
|--|--|
| - Caractéristique de durabilité<br>Résistance à la délamination      | - Caractéristique de durabilité<br>Résistance à la délamination      |
| - Caractéristique fonctionnelles<br>Caractéristiques dimensionnelles | - Caractéristique fonctionnelles<br>Caractéristiques dimensionnelles |
| - Aptitude à l'usage<br>Résistance à la pression                     | - Aptitude à l'usage<br>Résistance à la pression                     |

Ce certificat annule et remplace tout certificat antérieur.  
*This certificate supersedes all previous certificates.*

Ce certificat NF, incluant son annexe, est valable jusqu'au **23/01/2022** sous réserve des résultats des contrôles effectués par AFNOR Certification qui peut prendre toute décision conformément aux règles générales de la marque NF et au référentiel de certification NF - Réseaux de chauffage et distribution sanitaire.  
*This NF certificate and related appendix is valid until 23/01/2022 subject to the results obtained upon regular controls carried out by AFNOR Certification. Appropriate decision is made by AFNOR Certification in accordance with the general rules of the NF mark and specific NF - Piping systems for hot and cold water installations certification scheme.*



**Julien NIZRI**  
Directeur Général d'AFNOR Certification  
Managing Director of AFNOR Certification

CERTIF 1332.6 07/2020



Réseaux de chauffage et distribution sanitaire  
Piping systems for hot and cold water installations

# Certificat

## Certificate

Page 1 / 6

Admission N° 95677 du 15/11/2021  
Admission N° 95677 from 15/11/2021

Date de fin de validité / Expiry date : 23/01/2022

RIFENG ENTERPRISE GROUP CO LTD  
N°16 ZUMIAO ROAD RIFENG BUILDING CN- 528000 FOSHAN CITY

N° titulaire / Holder: 012

Site de production / Production site: Foshan, Chine – 012/01

Première admission / First admission: 15/11/2021

### SYSTEME MULTICOUCHE MULTILAYER SYSTEM

Est autorisé à distribuer les produits listés en annexe bénéficiant du droit d'usage de la marque NF en application des règles générales de la marque NF et du référentiel de certification de NF - Réseaux de chauffage et distribution sanitaire pour le/les produit(s) cité(s) en annexe.

Is authorized to affix the NF mark on the product(s) listed in appendix, in accordance with the general rules of the NF mark and the NF - Piping systems for hot and cold water installations certification scheme.

Ce certificat atteste que les produit(s) désigné(s) en annexe est (sont) certifié(s) conforme(s) aux normes citées en annexe et aux exigences supplémentaires après évaluation par AFNOR Certification tel que spécifié dans le référentiel de certification NF - Réseaux de chauffage et distribution sanitaire.

This certificate attests that the product(s) mentioned in appendix have been assessed by AFNOR Certification and found to conform with the standards cited in appendix and complementary requirements, as specified in the NF - Piping systems for hot and cold water installations certification scheme.

La durée de vie conventionnelle est de 50 ans. Conventional life is 50 years.

#### Caractéristiques certifiées

- Caractéristique de durabilité
- Résistance à la délamination
- Caractéristique fonctionnelles
- Caractéristiques dimensionnelles
- Aptitude à l'usage
- Résistance à la pression

#### Certified characteristics

- Caractéristique de durabilité
- Résistance à la délamination
- Caractéristique fonctionnelles
- Caractéristiques dimensionnelles
- Aptitude à l'usage
- Résistance à la pression

Ce certificat annule et remplace tout certificat antérieur.

This certificate supersedes all previous certificates.

Ce certificat NF, incluant son annexe, est valable jusqu'au 23/01/2022 sous réserve des résultats des contrôles effectués par AFNOR Certification qui peut prendre toute décision conformément aux règles générales de la marque NF et au référentiel de certification NF - Réseaux de chauffage et distribution sanitaire.

This NF certificate and related appendix is valid until 23/01/2022 subject to the results obtained upon regular controls carried out by AFNOR Certification. Appropriate decision is made by AFNOR Certification in accordance with the general rules of the NF mark and specific NF - Piping systems for hot and cold water installations certification scheme.



Signature Fournisseur

Julien NIZRI  
Directeur Général d'AFNOR Certification  
Managing Director of AFNOR Certification

CERTIF 1332.6 07/2020

11 rue Francis de Pressensé - 93571 La Plaine Saint-Denis Cedex - France - T. +33 (0)1 41 62 80 00 - F. +33 (0)1 49 17 90 00  
SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - www.afnor.org



## CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*. 1321-52 du code de la santé publique

### ATTESTATION DE CONFORMITE SANITAIRE (ACS)

Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et aux circulaires du Ministère de la santé  
DGS/VS4 n° 99/217 du 12 avril 1999 et DGS/VS4 n° 2000/232 du 27 avril 2000

Coordonnées du demandeur : Contact details of the ACS owner :	Nom(s) commercial(aux) du produit fini / Commercial name(s) of the finished product :
RIFENG ENTERPRISE GROUP CO., LTD. 5F/ Rifeng Building, No. 16 Zumiao Road Foshan City 528000 GUANGDONG PROVINCE P.R. China	Tube PEX / AI / PEX DN16 à DN75 / DN16 to DN75

Type de produit fini / Type of finished product :		
<input checked="" type="checkbox"/> tube / pipe	<input type="checkbox"/> joint / seal, gasket, o-ring...	<input type="checkbox"/> revêtement / coating
<input type="checkbox"/> produit de jointoyage / sealing product	<input type="checkbox"/> raccord et manchon / fittings	<input type="checkbox"/> composant d'accessoires / accessories component
<input type="checkbox"/> autre / other :		

Nature du matériau / Type of material :		
<input type="checkbox"/> polychlorure de vinyl PVC	<input type="checkbox"/> polybutylène PB	<input type="checkbox"/> éthylène-propylène EPDM
<input type="checkbox"/> PVC surchloré PVC-C	<input type="checkbox"/> polyamide PA	<input type="checkbox"/> butadiène-acrylonitrile NBR
<input type="checkbox"/> polyéthylène PE	<input type="checkbox"/> polytétrafluoroéthylène PTFE	<input checked="" type="checkbox"/> autre/other: PEX / AI / PEX
<input type="checkbox"/> polyéthylène réticulé PEX	<input type="checkbox"/> acrylonitrile-butadiène-styrène ABS	
<input type="checkbox"/> polypropylène PP	<input type="checkbox"/> à base de résine époxydique / epoxy resin	

Commentaires / Comments : Renouvellement / Renewal 13 MAT LY 190
Couleur du matériau / material color : naturel/AI/blanc / natural/AI/white
N° de dossier attribué par le laboratoire habilité / File reference : 18 MAT LY 210

Formulation chimique / Chemical formulation :
Vérifiée par le laboratoire et conforme aux listes positives Checked by the laboratory and conform to the positive lists

Essais d'inertie réalisés selon la norme XP P 41-250 / Migration tests performed according to the standard XP P 41-250 :
Rapport S/V testé / S/V tested ratio : 240 cm <sup>2</sup> /L
Date des essais / Tests date : du 22 Mars au 18 Avril 2019 / from March 22 to April 18, 2019
Commentaires : Les essais d'inertie réalisés selon les normes AFNOR XP P 41-250-1/2/3 et NFP 41-290 n'ont fait apparaître aucune anomalie. Les résultats sont conformes aux exigences de la circulaire DGS/VS4 n° 99-217 du 12 Avril 1999.
Comments : The migration test carried out according to the standards XPP-41-250-1/2/3 and NFP 41-290 do not bring out any anomaly. The results are in accordance with the requirements of the circular DGS/VS4 n°99-217 of the 12th of april 1999.

Attestation délivrée par / Certificate issued by :	Christelle AUTUGELLE Responsable MCDE CARSO - L.S.E.H.L.	Signature :
A la date du / Date of issue : 25 Avril 2019		
Date d'expiration de l'ACS / Expiry date : 25 Avril 2024		
Commentaires / Comments :		

F\_MC058-c 15/09/2014 MLN  
Société par action simplifiée au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313  
Siège Social et laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03  
Site web : www.groupecarso.com - e-mail : mcde@groupecarso.com



# STANDARDSMARK LICENCE

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### StandardsMark Licence

Manufactured to:

**AS 4176.8-2010 - Multilayer pipes for pressure applications - Multilayer pipe systems for consumer gas installations with a maximum operating pressure up to and including 5 bar (500 kPa) - Specifications for systems (ISO 17484-1:2006, MOD)**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

**Licence No:** SMK02564

**Issued :** 14 September 2020  
**Expires :** 13 March 2026

**Originally Certified :** 14 March 2006  
**Current Certification :** 9 September 2020

Heather Mahon  
General Manager Technical Services  
SAI Global Assurance



\* For details of manufacture, refer to the licensee  
The STANDARDSMARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 050 644 642) and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com), for the list of product models.



# STANDARDSMARK LICENCE

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### StandardsMark Licence

Manufactured to:

**AS 3688:2016 - Water supply and gas systems - Metallic fittings and end connectors**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

**Certificate No:** SMK26137

**Issued:** 24 May 2017  
**Expires:** 23 May 2022

**Originally Certified:** 24 May 2017  
**Current Certification:** 24 May 2017

Nicole Grantham  
General Manager SAI Global Certification Services



\* For details of manufacture, refer to the licensee

The STANDARDSMARK is a registered certification trademark of SAI Global Limited (A.C.N. 050 644 642) and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com), for the list of product models.





This certifies that

**RIFENG ENTERPRISE (FOSHAN) CO. LTD.**

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

**B1 MULTILAYER PEX/AL/PEX PIPE, F1C COMPRESSION FITTINGS & F5 PRESS FITTINGS**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))

The product so mentioned will be valid until the end of:

**May 2025**

**2005323**

Certificate No.

Secretary

Chairman, Product Assessment Group



This certifies that

**RIFENG ENTERPRISE (FOSHAN) CO. LTD.**

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

**F17 RANGE OF BRASS FITTINGS (FOR MODELS AND SIZES COVERED BY THE SCOPE OF THE APPROVAL PLEASE CONSULT THE WRAS ONLINE DIRECTORY AND/OR ACCOMPANYING WRAS APPROVAL LETTER)**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))

The product so mentioned will be valid until the end of:

**December 2025**

Certificate No.

**2012038**

Ian Hughes,  
WRAS Approvals Manager

# NSF International

## REFERENCE CERTIFICATE

Rifeng Enterprise (Foshan) Co., Ltd.  
Facility: Foshan, China

COMPLIES WITH NSF/ANSI 14 AND THE FOLLOWING REFERENCE STANDARDS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

ASTM E84  
ASTM F1281  
ASTM F1807  
ASTM F877  
ASTM F876/F877  
ASME A112.4.14/CSA B125.14  
AWWA C904  
CAN/ULC S102.2  
CSA B137.5  
CSA B137.10  
NSF/ANSI 61  
NSF/ANSI 372



U.P. Code



Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada



C US

This certificate is supplemental to the NSF Certification Certificate and does not replace the NSF Certification Certificate. This certificate is the property of NSF International and must be returned upon request. For the most current and complete product information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

Issue Date: March 30, 2021  
Certificate Valid Through: March 30, 2022  
Certificate # 74631-16R

David Purkiss  
General Manager, Plumbing

## TYYPPIHYVÄKSYNTÄPÄÄTÖS



Myönnetty 20.9.2021

Voimassa 20.9.2026

Eurofins Expert Services Oy on eräiden rakennustuotteiden tuotehyväksynnästä annetun lain (954/2012) 5§ nojalla ja ottaen huomioon lain 2 luvun säännökset sekä eräiden rakennustuotteiden tuotehyväksynnästä annetun ympäristöministeriön asetuksen (555/2013) 1§ säännökset myöntänyt seuraavan tyyppihyväksynnän.

### Valmistaja

Rifeng Enterprise Group Co., Ltd., Kiina

### Tuote

PE-Xb/Al/PE-Xb monikerrosputket ja järjestelmään kuuluvat messinkiset puristusliittimet, malli F5

Koot 16 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm ja 63 mm

### Hyväksynnän laajuus

Tällä hyväksynnällä todetaan edellä mainittujen monikerrosputkien ja niiden liittimien täyttävän Ympäristöministeriön asetuksen 500/2019 asettamat olennaiset tekniset vaatimukset monikerrosputkille käyttöluokassa 2. Veden jatkuvan lämpötila voi olla enintään 70°C ja helkellinen enintään 95°C enimmäiskäyttöpaineella 1 MPa.

Tämä tyyppihyväksyntä sisältää ne järjestelmän komponentit ja raaka-aineyhdistelmät, joista hakija on antanut selvityksen hakemuksen käsittelyä varten.

### Muut ehdot

Liitokset tehdään käyttäen tämän tyyppihyväksyntäpäätöksen mukaisia liittimiä.

Tuotteeseen liittyvät tekniset tiedot ja asennusohjeet on toimitettava tuotteen mukana tai ne on oltava muuten asennuskohteessa saatavilla.

Yhteiden raaka-aineen tulee olla CW 602N -messinkiseosta.

Asennustyö suoritetaan noudattaen paikallisen viranomaisen ja valmistajan antamia asennusohjeita ja käyttäen valmistajan suosittelemia erikoistyökaluja.

### Merkitseminen

Valmistajan on merkittävä monikerrosputket ja niiden liittimet pysyvästi niin, että ne ovat yksilöitävissä ja jäljitettävissä. Merkintä tulee tehdä asetuksen 500/2019 pykälän 12§ mukaisesti.

Tuotteeseen, sen pakkaukseen tai mukana oleviin asiakirjoihin on merkittävä liitteen mukainen tyyppihyväksyntämerkki, sekä valmistajan

# TYYPPIHYVÄKSYNTÄPÄÄTÖS

# STF

Myönnetty 20.9.2021

Päivitetty 2.11.2021

Voimassa 20.9.2026

Eurofins Expert Services Oy on eräiden rakennustuotteiden tuotehyväksynnästä annetun lain (954/2012) 5§ nojalla ja ottaen huomioon lain 2 luvun säännökset sekä eräiden rakennustuotteiden tuotehyväksynnästä annetun ympäristöministeriön asetuksen (555/2013) 1§ säännökset myöntänyt seuraavan tyyppihyväksynnän.

**Valmistaja** Rifeng Enterprise Group Co., Ltd., Kiina

**Tuote** Rifeng ja RIIFO PE-Xb/Al/PE-Xb monikerrosputket ja järjestelmään kuuluvat messinkiset puristusliittimet, malli F5

Koot 16 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm ja 63 mm

**Hyväksynnän laajuus** Tällä hyväksynnällä todetaan edellä mainittujen monikerrosputkien ja niiden liittimien täyttävän Ympäristöministeriön asetuksen 500/2019 asettamat olennaiset tekniset vaatimukset monikerrosputkille käyttöluokassa 2. Veden jatkuvan lämpötila voi olla enintään 70°C ja hetkellinen enintään 95°C enimmäiskäyttöpaineella 1 MPa.

Tämä tyyppihyväksyntä sisältää ne järjestelmän komponentit ja raaka-aineyhdistelmät, joista hakija on antanut selvityksen hakemuksen käsittelyä varten.

**Muut ehdot** Liitokset tehdään käyttäen tämän tyyppihyväksyntäpäätöksen mukaisia liittimiä.

Tuotteeseen liittyvät tekniset tiedot ja asennusohjeet on toimitettava tuotteen mukana tai ne on oltava muuten asennuskohteessa saatavilla.

Yhteiden raaka-aineen tulee olla CW 602N -messinkiseosta.

Asennustyö suoritetaan noudattaen paikallisen viranomaisen ja valmistajan antamia asennusohjeita ja käyttäen valmistajan suosittelemia erikoistyökaluja.

**Merkitseminen** Valmistajan on merkittävä monikerrosputket ja niiden liittimet pysyvästi niin, että ne ovat yksilöitävissä ja jäljitettävissä. Merkintä tulee tehdä asetuksen 500/2019 pykälän 12§ mukaisesti.

Tuotteeseen, sen pakkaukseen tai mukana oleviin asiakirjoihin merkittävä liitteen mukainen tyyppihyväksyntämerkki, sekä valmistajan nimi "Rifeng" tai "RIIFO" ja/tai valmistajan tunnus. Valmistaja voi



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

## CERTIFICATE OF COMPLIANCE

FULLNESS EXAMINATION OF TECHNICAL FILE

Certificate No.	: TPI.0021
Issue Date	: 14/08/2020
Expiry Date	: 13/08/2025
Applicant (Name & Address)	: Rifeng Enterprise (Foshan) Co.,Ltd. F1-F14 No.1 Rifeng Road, Sanshui District, Foshan City, Guangdong Province, China.
Manufacturer (Name & Address)	: Same as applicant
TCF No.	: VC-AN-2020081402
Test Report No.	: 878603, 872219, 16868872856
Product Description	: Multilayer pipes and brass fittings
Model(s)	: Refer to ANNEX I
Standard(s)	: EN ISO 21003-2:2008, EN ISO 21003-3:2008, EN ISO 21003-5:2008

This is to certify that, upon the relevant request of the applicant, EUROCERT as Third Party Authority has reviewed the Technical Construction File of the described product which found to fulfill the basic health and safety prerequisites of the relevant Standard(s)

### Note:

- The manufacturer should issue a Declaration of Conformity according to the basic requirements of the applicable and relevant directives.
- All modifications to the Technical File should be first submitted to the Third Party Inspection Authority to ensure further validity of this attestation.
- This certificate is valid only for the product and configuration described and in conjunction with the technical data detailed above.

Please check the validity of the attestation from our website using the password **A46XZfmY**



On Behalf of EUROCERT

George Briskolas  
Managing Director

# PP-R Plumbing System Certificates

**AENOR**

**Certificado AENOR de Producto Plásticos**



**001/006720**

AENOR certifica que la organización

**RIFENG ENTERPRISE GROUP, CO., LTD.**

con domicilio social en 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD  
FOSHAN CITY 528000 GUANGDONG (China)

suministra Sistema de canalización en materiales plásticos para instalaciones de agua caliente y fría. Polipropileno

conforme con UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)  
UNE-EN ISO 15874-5:2013 (EN ISO 15874-5:2013)

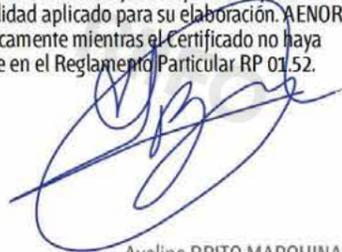
Descripción del sistema Marca comercial: RIFENG  
Tipo de unión: Termofusión / Inserciones incorporadas  
Clase de aplicación / Presión de diseño (bar): 1/8 ; 2/6 ; 4/10 ; 5/6

Más información en el anexo al certificado.

Centro(s) de producción F1-F14 OF NO. 1 RIFENG ROAD, LEPING TOWN, SANSHUI DISTRICT  
FOSHAN CITY 528000 (China)

Esquema de certificación Para conceder este Certificado, AENOR ha ensayado el producto y ha comprobado el sistema de la calidad aplicado para su elaboración. AENOR realiza estas actividades periódicamente mientras el Certificado no haya sido anulado, según se establece en el Reglamento Particular RP 01.52.

Fecha de primera emisión 2017-05-30  
Fecha de expiración 2022-05-30



Avelino BRITO MARQUINA  
Director General

Original Electrónico

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Entidad de certificación de producto acreditada por ENAC con acreditación nº 01/C-PR002.001

**AENOR**

**AENOR Product Certificate Plastics**



**001/007310**

AENOR certifies that the organization

**RIFENG ENTERPRISE (FOSHAN) CO., LTD**

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000  
Guangdong (China)

supplies Fittings for polypropylene pipes for hot and cold water installations

in compliance with UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)  
UNE-EN ISO 15874-3:2013 (EN ISO 15874-3:2013)

Trademark RIIFO

See annex for more information.

Production site F1-F14 OF NO. 1 RIFENG ROAD, LEPING TOWN, SANSHUI DISTRICT  
FOSHAN CITY 528000 China

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.16.

First issued on 2021-10-26  
Validity date 2022-05-30



Rafael GARCIA MEIRO  
Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1/C-PR271

# AENOR

## AENOR Product Certificate Plastics



001/007309

AENOR certifies that the organization

### RIFENG ENTERPRISE (FOSHAN) CO., LTD

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000 Guangdong (China)

supplies Polypropylene (PP-R) pipes for hot and cold water installations

in compliance with UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)  
UNE-EN ISO 15874-2:2013 (EN ISO 15874-2:2013)

Trademark RIIFO

See annex for more information.

Production site F1-F14 OF NO. 1 RIFENG ROAD, LEPING TOWN, SANSHUI DISTRICT FOSHAN CITY 528000 China

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.16.

First issued on 2021-10-26  
Validity date 2022-02-24

Rafael GARCÍA MEIRO  
Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U  
Genova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1/C-PR271

# AENOR

## AENOR Product Certificate Plastics



001/007311

AENOR certifies that the organization

### RIFENG ENTERPRISE (FOSHAN) CO., LTD

registered office F1-F14 No. 1 Rifeng Road, Sanshui District Foshan City 528000 Guangdong (China)

supplies Plastics piping system for hot and cold water installations. Polypropylene

in compliance with UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)  
UNE-EN ISO 15874-5:2013 (EN ISO 15874-5:2013)

System description Trademark: RIIFO

Type of joint: Thermofusion / Metallic parts  
Application class / Design pressure (bar): 1/8 ; 2/6 ; 4/10 ; 5/6

See annex for more information.

Production site F1-F14 OF NO. 1 RIFENG ROAD, LEPING TOWN, SANSHUI DISTRICT FOSHAN CITY 528000 China

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.16.

First issued on 2021-10-26  
Validity date 2022-05-30

Rafael GARCÍA MEIRO  
Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U  
Genova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1/C-PR271



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

### CERTIFICATE OF CONFORMITY

#### FULLNESS EXAMINATION OF TECHNICAL FILE

Certificate No. : TPI.0027  
 Issue Date : 02/11/2020  
 Expiry Date : 01/11/2025  
 Applicant (Name & Address) : Rifeng Enterprise (Foshan) Co.,Ltd.  
 F1-F14 No.1 Rifeng Road, Sanshui District, Foshan City, Guangdong Province, China.  
 Manufacturer (Name & Address) : Same as Applicant  
 TCF No. : VC-AN-2020110101  
 Products : Description Test Report No. Standard  
 PP-R Pipes PLA-0798/19-1-02/03/2020 EN ISO 15874-2:2013  
 PP-R System PLA-0799/19-1-24/06/2020 EN ISO 15874-3:2013, EN ISO 15874-5:2013

Model(s) : Refer to ANNEX I & II

This is to certify that, upon the relevant request of the applicant, EUROCERT as Third Party Authority has reviewed the Technical Construction File of the described product which found to fulfill the basic health and safety prerequisites of the relevant Standard(s).

#### Note:

- The manufacturer should issue a Declaration of Performance according to the basic requirements of the applicable and relevant directives.
- All modifications to the Technical File should be first submitted to the Third Party Inspection Authority to ensure further validity of this attestation
- This certificate is valid only for intended uses not subject to reaction of fire or dangerous substances.
- This certificate is valid only for the product and configuration described and in conjunction with the technical data detailed above.
- Additional requirements may be applicable such as additional directives or local legislation.

Please check the validity of the certificate from our website using the password 8q2Ucz08



On Behalf of EUROCERT

*[Signature]*  
GEORGE N. SIFONIOS  
Director of Development

89 CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
Tel: ++30 210 62.52.495, 30 210 62.53.927 - Fax: ++30 210 62.03.018  
Internet site: www.eurocert.gr - e-mail: info@eurocert.gr



Certificate No.: TPI.0027

Page 1 of 4



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

### ANNEX I - PP-R PIPES Certificate No.: TPI.0027

Model No.	Model Name	Description
1	S5 series 1) Monolayer pipe 2) Double-layer pipe	PPR-S5-D20X2.0 PPR-S5-D25X2.3 PPR-S5-D32X2.9 PPR-S5-D40X3.7 PPR-S5-D50X4.6 PPR-S5-D63X5.8 PPR-S5-D75X6.8 PPR-S5-D90X8.2 PPR-S5-D110X10 PPR-S5-D160X14.6
2	S4 series 1) Monolayer pipe 2) Double-layer pipe	PPR-S4-D20X2.3 PPR-S4-D25X2.8 PPR-S4-D32X3.6 PPR-S4-D40X4.5 PPR-S4-D50X5.6 PPR-S4-D63X7.1 PPR-S4-D75X8.4 PPR-S4-D90X10.1 PPR-S4-D110X12.3 PPR-S4-D160X17.9
3	S3.2 series 1) Monolayer pipe 2) Double-layer pipe 3) ceramic core pipe 4) Antibacterial ceramic core pipe	PPR-S3.2-D20X2.8 PPR-S3.2-D25X3.5 PPR-S3.2-D32X4.4 PPR-S3.2-D40X5.5 PPR-S3.2-D50X6.9 PPR-S3.2-D63X8.6 PPR-S3.2-D75X10.3 PPR-S3.2-D90X12.3 PPR-S3.2-D110X15.1 PPR-S3.2-D160X21.9
4	S2.5 series 1) Monolayer pipe 2) Double-layer pipe	PPR-S2.5-D20X3.4 PPR-S2.5-D25X4.2 PPR-S2.5-D32X5.4 PPR-S2.5-D40X6.7 PPR-S2.5-D50X8.3 PPR-S2.5-D63X10.5 PPR-S2.5-D75X12.5 PPR-S2.5-D90X15 PPR-S2.5-D110X18.3 PPR-S2.5-D160X26.6

89 CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
Tel: ++30 210 62.52.495, 30 210 62.53.927 - Fax: ++30 210 62.03.018  
Internet site: www.eurocert.gr - e-mail: info@eurocert.gr



Certificate No.: TPI.0027

Page 2 of 4



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.  
**ANNEX II – PP-R SYSTEM**  
 Certificate No.: TPI.0027

Model No.	Model Name	Description
1	PP-R PIPES	Refer to ANNEX I. straight coupling F12-S20X20,F12-S25X25, F12-S32X32, F12-S40X40, F12-S50X50 F12-S63X63, F12-S75X75,F12-S90X90, F12-S110X110, F12-S160X160 reducing coupling F12-S25x20,F12-S32X20, F12-S32X25, F12-S40X20, F12-40X25 F12-S40X32, F12-50X20,F12-50X25, F12-S50X32, F12-S50X40 F12-S63X32,F12-S63X40, F12-S63X50,F12-S75X63, F12-S90X50 F12-S90X63,F12-S90X75,F12-S110X50, F12-S110X63 F12-S110X75, F12-S110X90, F12-S160X110 S-straight coupling F12-S20X20,F12-S25X25 male straight coupling F12-S20X1/2M,F12-S20X3/4M, F12-S25X1/2M, F12-S25X1M F12-S25X3/4M,F12-S32X1/2M, F12-S32X1M,F12-S32X3/4M F12-S40X1 ¼M, F12-S50X1 ½M, F12-S63X2M female straight coupling F12-S20X1/2F,F12-S20X3/4F, F12-S25X1/2F, F12-S25X1F F12-S25X3/4F,F12-S32X1/2F, F12-S32X3/4F,F12-S32X1F F12-S40X1 ¼F, F12-S50X1 ½F, F12-S63X2F demountable straight coupling F12-S20X20(H),F12-S25X25(H),F12-32X32(H), F12-S40X40(H),F12-S75X75(H) demountable male coupling F12-S20X1/2M(H),F12-S25X3/4M(H), F12-S25X1M(H),F12-S32X3/4M(H) F12-S32X1M(H),F12-S40X1 ¼M(H), F12-S50X1 ½M(H),F12-S63X2M(H) demountable female coupling F12-S20X1/2F(H),F12-S20X3/4F(H), F12-S25X1/2F(H),F12-S25X3/4F(H) F12-S32X3/4F(H2),F12-S32X1F(H), F12-S40X1 ¼F(H)II,F12-S50X1 ½F(H)II F12-S63X2F(H)II
2	PP-R FITTING – coupling	elbow F12-L20X20, F12-L25X25, F12-L32X32, F12-L40X40, F12-L50X50, F12-L63X63, F12-L75X75, F12-L90X90, F12-L110X110, F12-L160X160 elbow(45°) F12-L20X20,F12-L25X25, F12-L32X32,F12-L40X40, F12-L50X50, F12-L63X63 F12-L75X75,F12-L90X90, F12-L110X110,F12-L160X160 Reducing elbow : F12-L25x20,F12-L32X20, F12-L32X25 Large arc elbow : F12-L20X20,F12-L25X25, F12-L32X32 wall-plated female elbow: F12-L20X1/2F(Z),F12-L25X1/2F(Z)
3	PP-R FITTING – elbow	male elbow F12-L20X1/2M,F12-L20X3/4M, F12-L25X1/2M,F12-L25X3/4M,F12-L25X1M F12-L32X1/2M,F12-L32X3/4M,F12-L32X1M, F12-L40X1 1/4M, F12-L50X1 1/2M,F12-L63X2M female elbow F12-L20X1/2F,F12-L20X3/4F, F12-L25X1/2F,F12-L25X3/4F,F12-L25X1F, F12-L32X1/2F,F12-L32X3/4F,F12-L32X1F, F12-L40X1 1/4F,F12-L50X1 1/2F, F12-L63X2F demountable female elbow: F12-L20x1/2F(H2),F12-L25X1/2F(H2), F12-L25X3/4F(H2),F12-L32X3/4F(H2) double female elbow: F12-L20X1/2F, F12-L25X1/2F assembly double U-elbow: F12-L20x1/2F(150),F12-L25X1/2F(150) Tee: F12-T20X20X20,F12-T25X25X25,F12-T32X32X32, F12-T40X40X40 F12-T50X50X50, F12-T63x63x63, F12-T75X75X75, F12-T90X90X90, F12-T110X110X110, F12-T160X160X160 Assembly double female tee: F12-L20X1/2F(150), F12-L25X1/2F(150) Reducing tee F12-T25X20X20, F12-T25X20X25,F12-T32X20X32, F12-T32X25X32, F12-T40X20X40,F12-T40X25X40,F12-T40X32X40, F12-T50X20X50 F12-T50X25X50,F12-T50X32X50, F12-T50X40X50, F12-T63X20X63 F12-T63X25X63,F12-T63X32X63,F12-T63X40X63, F12-T63X50X63, F12-T75X25X75, F12-T75X32X75,F12-T75X40X75, F12-T75X50X75 F12-T75X63X75, F12-T90X40X90,F12-T90X50X90 ,F12-T90X63X90 F12-T90X75X90,F12-T110X40X110,F12-T110X50X110,F12-T110X63X110 F12-T110X75X110, F12-T110X90X110,F12-T160X110X160 Sweep junction : F12-T20x20x20, F12-T25X25X25 Corner tee : F12-k20x20x20, F12-k25X25X25,F12-k32X32X32 Side outlet tee : F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 female tee: F12-T20X1/2FX20, F12-T25X1/2FX25,F12-T25X3/4FX25 F12-T25X1FX25,F12-T32X1/2FX32, F12-T32X3/4FX32,F12-T32X1FX32 F12-T40X1 1/4FX40,F12-T50X1 1/2FX50,F12-T63X2FX63 male tee: F12-T20X1/2MX20,F12-T25X1/2MX25, F12-T25X3/4MX25 F12-T32X1/2MX32,F12-T32X3/4MX32, F12-T32X1MX32 end cap: F12-D20, F12-D25,F12-D32,F12-D40,F12-D50,F12-D63, F12-D75,F12-D90,F12-D110 pipe bridge:F12-W20X20(L)(S2.5),F12-W20X20(L)(S3.2),F12-W32X32(L)(S3.2) F12-W25X25(L)(S2.5),F12-W25X25(L)(S3.2),F12-W32X32(L)(S2.5) bridge: F12-W20X20,F12-W25X25,F12-W32X32 Cross: F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 double female tee :F12-T20*1/2F*20(Double)
4	PP-R FITTING -tee	elbow F12-L20X1/2M,F12-L20X3/4M, F12-L25X1/2M,F12-L25X3/4M,F12-L25X1M F12-L32X1/2M,F12-L32X3/4M,F12-L32X1M, F12-L40X1 1/4M, F12-L50X1 1/2M,F12-L63X2M female elbow F12-L20X1/2F,F12-L20X3/4F, F12-L25X1/2F,F12-L25X3/4F,F12-L25X1F, F12-L32X1/2F,F12-L32X3/4F,F12-L32X1F, F12-L40X1 1/4F,F12-L50X1 1/2F, F12-L63X2F demountable female elbow: F12-L20x1/2F(H2),F12-L25X1/2F(H2), F12-L25X3/4F(H2),F12-L32X3/4F(H2) double female elbow: F12-L20X1/2F, F12-L25X1/2F assembly double U-elbow: F12-L20x1/2F(150),F12-L25X1/2F(150) Tee: F12-T20X20X20,F12-T25X25X25,F12-T32X32X32, F12-T40X40X40 F12-T50X50X50, F12-T63x63x63, F12-T75X75X75, F12-T90X90X90, F12-T110X110X110, F12-T160X160X160 Assembly double female tee: F12-L20X1/2F(150), F12-L25X1/2F(150) Reducing tee F12-T25X20X20, F12-T25X20X25,F12-T32X20X32, F12-T32X25X32, F12-T40X20X40,F12-T40X25X40,F12-T40X32X40, F12-T50X20X50 F12-T50X25X50,F12-T50X32X50, F12-T50X40X50, F12-T63X20X63 F12-T63X25X63,F12-T63X32X63,F12-T63X40X63, F12-T63X50X63, F12-T75X25X75, F12-T75X32X75,F12-T75X40X75, F12-T75X50X75 F12-T75X63X75, F12-T90X40X90,F12-T90X50X90 ,F12-T90X63X90 F12-T90X75X90,F12-T110X40X110,F12-T110X50X110,F12-T110X63X110 F12-T110X75X110, F12-T110X90X110,F12-T160X110X160 Sweep junction : F12-T20x20x20, F12-T25X25X25 Corner tee : F12-k20x20x20, F12-k25X25X25,F12-k32X32X32 Side outlet tee : F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 female tee: F12-T20X1/2FX20, F12-T25X1/2FX25,F12-T25X3/4FX25 F12-T25X1FX25,F12-T32X1/2FX32, F12-T32X3/4FX32,F12-T32X1FX32 F12-T40X1 1/4FX40,F12-T50X1 1/2FX50,F12-T63X2FX63 male tee: F12-T20X1/2MX20,F12-T25X1/2MX25, F12-T25X3/4MX25 F12-T32X1/2MX32,F12-T32X3/4MX32, F12-T32X1MX32 end cap: F12-D20, F12-D25,F12-D32,F12-D40,F12-D50,F12-D63, F12-D75,F12-D90,F12-D110 pipe bridge:F12-W20X20(L)(S2.5),F12-W20X20(L)(S3.2),F12-W32X32(L)(S3.2) F12-W25X25(L)(S2.5),F12-W25X25(L)(S3.2),F12-W32X32(L)(S2.5) bridge: F12-W20X20,F12-W25X25,F12-W32X32 Cross: F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 double female tee :F12-T20*1/2F*20(Double)
5	PP-R FITTING - other types	elbow F12-L20X20, F12-L25X25, F12-L32X32, F12-L40X40, F12-L50X50, F12-L63X63, F12-L75X75, F12-L90X90, F12-L110X110, F12-L160X160 elbow(45°) F12-L20X20,F12-L25X25, F12-L32X32,F12-L40X40, F12-L50X50, F12-L63X63 F12-L75X75,F12-L90X90, F12-L110X110,F12-L160X160 Reducing elbow : F12-L25x20,F12-L32X20, F12-L32X25 Large arc elbow : F12-L20X20,F12-L25X25, F12-L32X32 wall-plated female elbow: F12-L20X1/2F(Z),F12-L25X1/2F(Z)

89 CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
 Tel: ++30 210 62 52 495, 30 210 62 53 927 Fax: ++30 210 62 03 018  
 Internet site: www.eurocert.gr e-mail: info@eurocert.gr



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.  
**ANNEX II – PP-R SYSTEM**  
 Certificate No.: TPI.0027

3	PP-R FITTING - elbow	male elbow F12-L20X1/2M,F12-L20X3/4M, F12-L25X1/2M,F12-L25X3/4M,F12-L25X1M F12-L32X1/2M,F12-L32X3/4M,F12-L32X1M, F12-L40X1 1/4M, F12-L50X1 1/2M,F12-L63X2M female elbow F12-L20X1/2F,F12-L20X3/4F, F12-L25X1/2F,F12-L25X3/4F,F12-L25X1F, F12-L32X1/2F,F12-L32X3/4F,F12-L32X1F, F12-L40X1 1/4F,F12-L50X1 1/2F, F12-L63X2F demountable female elbow: F12-L20x1/2F(H2),F12-L25X1/2F(H2), F12-L25X3/4F(H2),F12-L32X3/4F(H2) double female elbow: F12-L20X1/2F, F12-L25X1/2F assembly double U-elbow: F12-L20x1/2F(150),F12-L25X1/2F(150) Tee: F12-T20X20X20,F12-T25X25X25,F12-T32X32X32, F12-T40X40X40 F12-T50X50X50, F12-T63x63x63, F12-T75X75X75, F12-T90X90X90, F12-T110X110X110, F12-T160X160X160 Assembly double female tee: F12-L20X1/2F(150), F12-L25X1/2F(150) Reducing tee F12-T25X20X20, F12-T25X20X25,F12-T32X20X32, F12-T32X25X32, F12-T40X20X40,F12-T40X25X40,F12-T40X32X40, F12-T50X20X50 F12-T50X25X50,F12-T50X32X50, F12-T50X40X50, F12-T63X20X63 F12-T63X25X63,F12-T63X32X63,F12-T63X40X63, F12-T63X50X63, F12-T75X25X75, F12-T75X32X75,F12-T75X40X75, F12-T75X50X75 F12-T75X63X75, F12-T90X40X90,F12-T90X50X90 ,F12-T90X63X90 F12-T90X75X90,F12-T110X40X110,F12-T110X50X110,F12-T110X63X110 F12-T110X75X110, F12-T110X90X110,F12-T160X110X160 Sweep junction : F12-T20x20x20, F12-T25X25X25 Corner tee : F12-k20x20x20, F12-k25X25X25,F12-k32X32X32 Side outlet tee : F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 female tee: F12-T20X1/2FX20, F12-T25X1/2FX25,F12-T25X3/4FX25 F12-T25X1FX25,F12-T32X1/2FX32, F12-T32X3/4FX32,F12-T32X1FX32 F12-T40X1 1/4FX40,F12-T50X1 1/2FX50,F12-T63X2FX63 male tee: F12-T20X1/2MX20,F12-T25X1/2MX25, F12-T25X3/4MX25 F12-T32X1/2MX32,F12-T32X3/4MX32, F12-T32X1MX32 end cap: F12-D20, F12-D25,F12-D32,F12-D40,F12-D50,F12-D63, F12-D75,F12-D90,F12-D110 pipe bridge:F12-W20X20(L)(S2.5),F12-W20X20(L)(S3.2),F12-W32X32(L)(S3.2) F12-W25X25(L)(S2.5),F12-W25X25(L)(S3.2),F12-W32X32(L)(S2.5) bridge: F12-W20X20,F12-W25X25,F12-W32X32 Cross: F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 double female tee :F12-T20*1/2F*20(Double)
4	PP-R FITTING -tee	elbow F12-L20X1/2M,F12-L20X3/4M, F12-L25X1/2M,F12-L25X3/4M,F12-L25X1M F12-L32X1/2M,F12-L32X3/4M,F12-L32X1M, F12-L40X1 1/4M, F12-L50X1 1/2M,F12-L63X2M female elbow F12-L20X1/2F,F12-L20X3/4F, F12-L25X1/2F,F12-L25X3/4F,F12-L25X1F, F12-L32X1/2F,F12-L32X3/4F,F12-L32X1F, F12-L40X1 1/4F,F12-L50X1 1/2F, F12-L63X2F demountable female elbow: F12-L20x1/2F(H2),F12-L25X1/2F(H2), F12-L25X3/4F(H2),F12-L32X3/4F(H2) double female elbow: F12-L20X1/2F, F12-L25X1/2F assembly double U-elbow: F12-L20x1/2F(150),F12-L25X1/2F(150) Tee: F12-T20X20X20,F12-T25X25X25,F12-T32X32X32, F12-T40X40X40 F12-T50X50X50, F12-T63x63x63, F12-T75X75X75, F12-T90X90X90, F12-T110X110X110, F12-T160X160X160 Assembly double female tee: F12-L20X1/2F(150), F12-L25X1/2F(150) Reducing tee F12-T25X20X20, F12-T25X20X25,F12-T32X20X32, F12-T32X25X32, F12-T40X20X40,F12-T40X25X40,F12-T40X32X40, F12-T50X20X50 F12-T50X25X50,F12-T50X32X50, F12-T50X40X50, F12-T63X20X63 F12-T63X25X63,F12-T63X32X63,F12-T63X40X63, F12-T63X50X63, F12-T75X25X75, F12-T75X32X75,F12-T75X40X75, F12-T75X50X75 F12-T75X63X75, F12-T90X40X90,F12-T90X50X90 ,F12-T90X63X90 F12-T90X75X90,F12-T110X40X110,F12-T110X50X110,F12-T110X63X110 F12-T110X75X110, F12-T110X90X110,F12-T160X110X160 Sweep junction : F12-T20x20x20, F12-T25X25X25 Corner tee : F12-k20x20x20, F12-k25X25X25,F12-k32X32X32 Side outlet tee : F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 female tee: F12-T20X1/2FX20, F12-T25X1/2FX25,F12-T25X3/4FX25 F12-T25X1FX25,F12-T32X1/2FX32, F12-T32X3/4FX32,F12-T32X1FX32 F12-T40X1 1/4FX40,F12-T50X1 1/2FX50,F12-T63X2FX63 male tee: F12-T20X1/2MX20,F12-T25X1/2MX25, F12-T25X3/4MX25 F12-T32X1/2MX32,F12-T32X3/4MX32, F12-T32X1MX32 end cap: F12-D20, F12-D25,F12-D32,F12-D40,F12-D50,F12-D63, F12-D75,F12-D90,F12-D110 pipe bridge:F12-W20X20(L)(S2.5),F12-W20X20(L)(S3.2),F12-W32X32(L)(S3.2) F12-W25X25(L)(S2.5),F12-W25X25(L)(S3.2),F12-W32X32(L)(S2.5) bridge: F12-W20X20,F12-W25X25,F12-W32X32 Cross: F12-X20X20X20, F12-X25X25X25,F12-X32X32X32 double female tee :F12-T20*1/2F*20(Double)
5	PP-R FITTING - other types	elbow F12-L20X20, F12-L25X25, F12-L32X32, F12-L40X40, F12-L50X50, F12-L63X63, F12-L75X75, F12-L90X90, F12-L110X110, F12-L160X160 elbow(45°) F12-L20X20,F12-L25X25, F12-L32X32,F12-L40X40, F12-L50X50, F12-L63X63 F12-L75X75,F12-L90X90, F12-L110X110,F12-L160X160 Reducing elbow : F12-L25x20,F12-L32X20, F12-L32X25 Large arc elbow : F12-L20X20,F12-L25X25, F12-L32X32 wall-plated female elbow: F12-L20X1/2F(Z),F12-L25X1/2F(Z)

89 CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
 Tel: ++30 210 62 52 495, 30 210 62 53 927 Fax: ++30 210 62 03 018  
 Internet site: www.eurocert.gr e-mail: info@eurocert.gr



## DVGW-Baumusterprüfzertifikat DVGW type examination certificate

DW-8317CU0153  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Kunststoffrohre für die Trinkwasserinstallation: PP-R, SDR 6 (8317)
<b>Produktbezeichnung</b> <i>product description</i>	Kunststoffrohr aus PP-R für die Trinkwasserinstallation
<b>Modell</b> <i>model</i>	Rifeng PPR Pipe
<b>Prüfberichte</b> <i>test reports</i>	Baumusterprüfung: V051/18 vom 30.04.2019 (IMA) KTW-Prüfung: K-309912-19-Bs/st vom 06.03.2019 (WHY) Mikrobiologische Prüfung: W-300490e-18-SI/to vom 03.07.2018 (WHY)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW W 544 (01.05.2007) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)

**Ablaufdatum / AZ** 30.04.2024 / 18-0085-WNE  
*date of expiry / file no.*

24.05.2019 Fk A-1/2  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



DVGW CERT GmbH  
Zertifizierungsstelle  
Josef-Wirmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993  
www.dvgw-cert.com  
info@dvgw-cert.com



## DVGW-Baumusterprüfzertifikat DVGW type examination certificate

DW-8317CU0154  
Registriernummer  
registration number

<b>Anwendungsbereich</b> <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Vertreiber</b> <i>distributor</i>	Rifeng Enterprise Group Co., Ltd. F1 - F14, No.1 Rifeng Road, CN- Foshan City, Sanshui district
<b>Produktart</b> <i>product category</i>	Kunststoffrohre für die Trinkwasserinstallation: PP-R, SDR 6 (8317)
<b>Produktbezeichnung</b> <i>product description</i>	Kunststoffrohr aus PP-R für die Trinkwasserinstallation
<b>Modell</b> <i>model</i>	Rifeng PPR Pipe
<b>Prüfberichte</b> <i>test reports</i>	Baumusterprüfung: V051/18 vom 30.04.2019 (IMA) KTW-Prüfung: K-298583-18-Bs/st vom 24.05.2018 (WHY) Mikrobiologische Prüfung: W-300490e-18-SI/to vom 03.07.2018 (WHY)
<b>Prüfgrundlagen</b> <i>test basis</i>	DVGW W 544 (01.05.2007) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)

**Ablaufdatum / AZ** 30.04.2024 / 18-0085-WNE  
*date of expiry / file no.*

24.05.2019 Fk A-1/2  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



DVGW CERT GmbH  
Zertifizierungsstelle  
Josef-Wirmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax +49 228 91 88 - 993  
www.dvgw-cert.com  
info@dvgw-cert.com

# PEX Plumbing System Certificates

**NSF International**  
**REFERENCE CERTIFICATE**

**Rifeng Enterprise (Foshan) Co., Ltd.**  
Facility: Foshan, China

COMPLIES WITH NSF/ANSI 14 AND THE FOLLOWING REFERENCE STANDARDS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

- ASTM E84
- ASTM F1281
- ASTM F1807
- ASTM F877
- ASTM F876/F877
- ASME A112.4.14/CSA B125.14
- AWWA C904
- CAN/ULC S102.2
- CSA B137.5
- CSA B137.10
- NSF/ANSI 61
- NSF/ANSI 372



U.P. Code



Certification Program  
Accredited by the  
American National  
Standards Institute



NSF



Certification Program  
Accredited by the  
Standards Council  
of Canada



C US

This certificate is supplemental to the NSF Certification Certificate and does not replace the NSF Certification Certificate. This certificate is the property of NSF International and must be returned upon request. For the most current and complete product information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

Issue Date: March 30, 2021  
Certificate Valid Through: March 30, 2022  
Certificate # 74631-16R



David Purkiss  
General Manager, Plumbing

**NSF International**  
**REFERENCE CERTIFICATE**

**Rifeng Enterprise (Foshan) Co., Ltd.**  
Facility: Foshan, China

COMPLIES WITH NSF/ANSI 14 AND THE FOLLOWING REFERENCE STANDARDS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

- ASTM E84
- ASTM F1281
- ASTM F1807
- ASTM F877
- ASTM F876/F877
- ASME A112.4.14/CSA B125.14
- AWWA C904
- CAN/ULC S102.2
- CSA B137.5
- CSA B137.10
- NSF/ANSI 61
- NSF/ANSI 372



U.P. Code



Certification Program  
Accredited by the  
American National  
Standards Institute



NSF



Certification Program  
Accredited by the  
Standards Council  
of Canada



C US

This certificate is supplemental to the NSF Certification Certificate and does not replace the NSF Certification Certificate. This certificate is the property of NSF International and must be returned upon request. For the most current and complete product information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

Issue Date: March 30, 2021  
Certificate Valid Through: March 30, 2022  
Certificate # 74631-16R



David Purkiss  
General Manager, Plumbing



# CERTIFICATE OF CONFORMITY

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### Watermark Certificate of Conformity

Evaluated to:

**AS 2492:2007 Cross-linked polyethylene (PE-X) pipes for pressure applications**

"the WaterMark Licensee" the right to use or arrange the use of the WATERMARK as shown below only in respect of the goods described and detailed on the product schedule identified on [www.saiglobal.com](http://www.saiglobal.com) which are produced by the WaterMark Licensee or on behalf of the WaterMark Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the WATERMARK and the Terms and Conditions for certification. The WaterMark Licensee covenants to comply with all the Rules and Terms and Conditions.

This Certificate is issued by a JAS-ANZ accredited certification body. The Scheme Owner, Administering Body and Accreditation Body do not in any way warrant, guarantee or represent that the product the subject of this Certificate conforms to the WaterMark Certification Scheme Rules, nor accepts any liability arising out of the use of the product. The Scheme Owner disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this Certificate.

Certificate No:WMKA021344

Issued: 6 June 2019

Originally Certified: 24 February 2009

Expires: 23 February 2024

Current Certification: 6 June 2019

Heather Mahon  
Head of Global Technical Services  
SAI Global Assurance



\* For details of manufacture, refer to the licensee

The WaterMark is a registered certification trademark of Australian Building Codes Board ABN 74 599 608 295 and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate may only be reproduced in its entirety and remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com) for the list of product models.



# CERTIFICATE OF CONFORMITY

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### Watermark Certificate of Conformity

Evaluated to:

**AS/NZS 2537.2:2011 - Mechanical jointing fittings for use with crosslinked polyethylene (PE-X) for pressure applications - Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Fittings (ISO 15875-3:2003, MOD)**

"the WaterMark Licensee" the right to use or arrange the use of the WATERMARK as shown below only in respect of the goods described and detailed on the product schedule identified on [www.saiglobal.com](http://www.saiglobal.com) which are produced by the WaterMark Licensee or on behalf of the WaterMark Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the WATERMARK and the Terms and Conditions for certification. The WaterMark Licensee covenants to comply with all the Rules and Terms and Conditions.

This Certificate is issued by a JAS-ANZ accredited certification body. The Scheme Owner, Administering Body and Accreditation Body do not in any way warrant, guarantee or represent that the product the subject of this Certificate conforms to the WaterMark Certification Scheme Rules, nor accepts any liability arising out of the use of the product. The Scheme Owner disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this Certificate.

Certificate No:WMKA21740

Issued: 27 August 2021

Originally Certified: 13 March 2009

Expires: 12 March 2024

Current Certification: 27 August 2021

Frank Camasta  
Global Head of Technical Services  
SAI Global Assurance



\* For details of manufacture, refer to the licensee

The WaterMark is a registered certification trademark of Australian Building Codes Board ABN 74 599 608 295 and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate may only be reproduced in its entirety and remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com) for the list of product models.



# Gas Piping System Certificates

**CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON**  
 Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé  
 Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*. 1321-52 du code de la santé publique

**ATTESTATION DE CONFORMITE SANITAIRE (ACS)**  
*Certificate of sanitary conformity*

Conformément à l'arrêté du 29 mai 1997 modifié et aux circulaires du Ministère de la santé  
 DGS/VS4 n° 99/217 du 12 avril 1999 et DGS/VS4 n° 2000/232 du 27 avril 2000

Coordonnées du demandeur : Contact details of the ACS owner :	Nom(s) commercial(aux) du produit fini / Commercial name(s) of the finished product :
FOSHAN RIFENG Pipe Enterprise CO., LTD. 5th/F of Rifeng Building, 16 Zumiao Road Foshan, Guangdong 528000 P.R. CHINA	Red Pex-b pipe with O2 barrier

Type de produit fini / Type of finished product :

tube / pipe       joint / seal, gasket, o-ring...       revêtement / coating  
 produit de jointoyage /  
sealing product       raccord et manchon /  
fittings       composant d'accessoires /  
accessories component  
 autre / other :

Nature du matériau / Type of material :

polychlorure de vinyl PVC       polybutylène PB       ethylene-propylène EPDM  
 PVC surchloré PVC-C       polyamide PA       butadiène-acrylonitrile NBR  
 polyéthylène PE       polytétrafluoroéthylène PTFE       autre / other :  
 polyéthylène réticulé PEX       acrylonitrile-butadiène-styrène ABS  
 polypropylène PP       à base de résine époxydique / epoxy resin

Commentaires / Comments : /  
 Couleur du matériau / material color : rouge / red  
 N° de dossier attribué par le laboratoire habilité / File reference : **16 MAT LY 063**

Formulation chimique / Chemical formulation :  
 Vérifiée par le laboratoire et conforme aux listes positives  
 Checked by the laboratory and conform to the positive lists

Essais d'inertie réalisés selon la norme XP P 41-250 /  
 Migration tests performed according to the standard XP P 41-250 :  
 Rapport S/V testé / S/V tested ratio : 240 cm<sup>2</sup>/L  
 Date des essais / Tests date : du 04 Mai au 23 Novembre 2016 / from Mai 04 to November 23, 2016  
 Commentaires : Les essais d'inertie réalisés selon les normes AFNOR XP P 41-250-1/2/3 et NFP 41-290 n'ont fait apparaître aucune anomalie. Les résultats sont conformes aux exigences de la circulaire DGS/VS4 n° 99-217 du 12 Avril 1999.  
 Comments : The migration test carried out according to the standards XPP-41-250-1/2/3 and NFP 41-290 do not bring out any anomaly. The results are in accordance with the requirements of the circular DGS/VS4 n°99-217 of the 12th of april 1999.

Attestation délivrée par / Certificate issued by :	Christelle AUTUGELLE    Signature : Responsable MCDE CARSO - L.S.E.H.L.
--	---

A la date du / Date of issue : 23 Novembre 2016  
 Date d'expiration de l'ACS / Expiry date : 23 Novembre 2021  
 Commentaires / Comments : Renouvellement / Renewal 10 MAT LY 026  
 F\_MC058-c 15/09/2014 MLN  
 Société par action simplifiée au capital de 2 283 622,30 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313  
 Siège Social : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 12 11

**AENOR**

**AENOR Product Certificate**  
**Plastics**

  
 AENOR  
 Producto  
 Certificado

001/006561  
 AENOR certifies that the organization

**RIFENG ENTERPRISE GROUP, CO., LTD.**

registered office 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN  
 528000 GUANGDONG (China)

supplies Multilayer pipe systems for indoor gas installations with a maximum  
 operating pressure (MOP) up to and including 5 bar (500 kPa)

in compliance with UNE 53008-1:2014

System description Trademark: RIFENG  
 Color pipes: Yellow  
 Intended use: Suitable for indoor and outdoor installations  
 Pipes and fittings producer: RIFENG ENTERPRISE GROUP, CO., LTD.  
 (Foshan city - China)  
 Type of welding of the pipes: Solape  
 Type of joint: Press fitting  
 Type of clamp: U

See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has  
 verified the quality system implemented for its manufacture. AENOR  
 performs these tasks periodically while the Certificate has not been  
 cancelled, in accordance with Specific Rules RP 01.82.

First issued on 2016-02-10  
 Last issued on 2021-02-10  
 Validity date 2026-02-10

  
 Rafael GARCIA MEIRO  
 Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.  
 Génova, 6. 28004 Madrid. España  
 Tel. 91 432 60 00. - www.aenor.com

# AENOR

## AENOR Product Certificate Plastics



001/006700

AENOR certifies that the organization

### RIFENG ENTERPRISE GROUP, CO., LTD.

registered office 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN 528000  
GUANGDONG (China)

supplies Multilayer pipe systems for indoor gas installations with a maximum  
operating pressure (MOP) up to and including 5 bar (500 kPa)

in compliance with UNE 53008-1:2014

System description Trademark: RIFENG  
Color pipes: Black with yellow stripes  
Intended use: Suitable for indoor and outdoor installations  
Pipes and fittings producer:  
RIFENG ENTERPRISE GROUP, CO., LTD. (Foshan city- China)  
Type of welding of the pipes: Buttwelding  
Type of joint: Press fitting  
Type of clamp: U

See annex for more information.

Certification scheme In order to grant this Certificate, AENOR has tested the product and has  
verified the quality system implemented for its manufacture. AENOR  
performs these tasks periodically while the Certificate has not been  
cancelled, in accordance with Specific Rules RP 01.82.

First issued on 2017-04-04  
Validity date 2022-04-04

Avelino BRITO  
General Manager

Original Electrónico

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com



## AGA CERTIFIED PRODUCT



Certificate Holder: **RIFENG ENTERPRISE GROUP CO., LTD**

ABN/ACN No. (if applicable): **N/A**

Manufacturer: **Rifeng Enterprise Group Co., Ltd**

Agent (if applicable): **N/A**

Type of Component: **Manual Shut off Ball Valves for Connecting  
to Gas Appliances  
Type 1  
Temperature Range:  
-20°C to 120°C, and -10°C to 80°C  
(refer page 2)**

Model No. & Description: **RIFENG / GAS PEX**  
(Refer [www.aga.asn.au](http://www.aga.asn.au) for more details) **Refer to Page 2 for model designation**

Relevant Standard(s): **AS4617-2018**

This is to certify that the particular **COMPONENT** specifically described herein and supplied to The Australian Gas Association (hereafter called the AGA) by the Certificate Holder named above has been subject to "type-testing" and assessed by the AGA to comply with the requirements of the AGA's Product Certification Scheme for Type Tested Gas Products.

#### This Certificate is issued on the express conditions that:

- The Certificate Holder undertakes to comply with the Rules Governing The AGA's Product Certification Scheme (hereafter called the Rules Governing);
- This Certificate remains the property of the AGA; and
- The AGA reserves the right to cancel this Certificate in accordance with the Rules Governing, and in such an event the Certificate Holder undertakes to surrender the Certificate to the AGA upon request.



Client Manager

Certificate Authorised

Certificate first issued: **25 August 2009**

Certificate No: **7563**

This copy valid from: **23 November 2020**

Refer specification issue: **09**

QF714/11

Page 1 of 2 This Certificate issued by The Australian Gas Association ABN 98 004 206 044



Number KIP-103315/01

Replaces n.a.

Issued 15.11.2019

First issued 15.11.2019

Report IN0000375

Contract K43-05

Page 1 of 1

**CERTIFICATO DI PRODOTTO KQ - KIWA-QUALITY**  
**PRODUCT CERTIFICATE KQ - KIWA-QUALITY**

Kiwa Cermet Italia dichiara che i prodotti  
*Kiwa Cermet Italia hereby declare that the products*

**Sistemi di tubazioni multistrato per uso esterno per installazioni gas**  
*Multilayer piping systems for outdoor gas installations*

Marchio del sistema/System Trade mark:

**RIFENG**

Nominal diameter and nominal wall thickness	Layers Material	Type	Fittings
DN 16x2.0 AI 0,21	PE-Xb/AI/PE- Xb	MOP 5 GAS	Brass press fittings profile U
DN 20x2.0 AI 0,26	PE-Xb/AI/PE- Xb	MOP 5 GAS	Brass press fittings profile U
DN 25x2.5 AI 0,32	PE-Xb/AI/PE- Xb	MOP 5 GAS	Brass press fittings profile U
DN 32x3.0 AI 0,37	PE-Xb/AI/PE- Xb	MOP 5 GAS	Brass press fittings profile U

Sistema Costruito da/System Manufactured by:

**Rifeng Enterprise (Foshan) CO.,Ltd.**

Foshan, Guangdong, China

In base ai test di tipo nonché alle ispezioni periodiche condotte da Kiwa sono ritenuti conformi ai requisiti del **Documento Tecnico Ki-0410, Annex K43**, basato sulla normativa **ISO 18225:2012** e quindi marcati KQ. La validità di questo certificato è soggetta al risultato positivo delle sorveglianze periodiche

*Based upon type tests and on Kiwa's periodic factory inspections the products are considered in compliance with the requirement of **Technical Document Ki-0410, Annex K43**, based on the standard **ISO 18225:2012** and consequentially marked KQ. The validity of this certificate is subject to the positive result of periodic surveillance visits*

Il presente certificato viene rilasciato in accordo al Regolamento Kiwa Cermet Italia per la Certificazione di prodotto ed è composto da 1 pagina.

*This certificate is issued in accordance with the Kiwa Cermet Italia regulations for Product Certification and consists of 1 page*

**Chief Operating Officer**  
*Giampiero Belcredi*



PRD N° 0698

**Kiwa Cermet Italia S.p.A.**  
 Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl  
 Via Cadriano, 23  
 40057 Granarolo dell'Emilia (BO)  
**Unità secondaria**  
 Via Treviso 32/34  
 31020 San Vendemiano (TV)  
 Tel +39 0438 411755  
 Fax +39 0438 22428  
 E-mail: [info@kiwacermet.it](mailto:info@kiwacermet.it)  
[www.kiwa.it](http://www.kiwa.it)  
[www.kiwacermet.it](http://www.kiwacermet.it)

Firmato digitalmente da BELCREDI GIAMPIERO  
 Data:29/11/2019 11:08:39



**STANDARDSMARK LICENCE**

SAI Global hereby grants:

**Rifeng Enterprise Group Co.,Ltd.**

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

**StandardsMark Licence**

Manufactured to:

**AS 4176.8-2010 - Multilayer pipes for pressure applications - Multilayer pipe systems for consumer gas installations with a maximum operating pressure up to and including 5 bar (500 kPa) - Specifications for systems (ISO 17484-1:2006, MOD)**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

**Licence No: SMK02564**

**Issued : 14 September 2020**  
**Expires : 13 March 2026**

**Originally Certified : 14 March 2006**  
**Current Certification : 9 September 2020**

Heather Mahon  
 General Manager Technical Services  
 SAI Global Assurance



\* For details of manufacture, refer to the licensee

The STANDARDSMARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 050 644 642) and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com), for the list of product models.





# STANDARDSMARK LICENCE

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### StandardsMark Licence

Manufactured to:

**ISO 17484-1:2014 - Plastics piping systems - Multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar (500 kPa) - Part 1: Specifications for systems**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

**Licence No:** SMKP21995

**Issued :** 8 July 2020  
**Expires :** 11 January 2026

**Originally Certified :** 12 January 2011  
**Current Certification :** 7 July 2020

Heather Mahon  
General Manager Technical Services  
SAI Global Assurance



\* For details of manufacture, refer to the licensee

The STANDARDSMARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 050 644 642) and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com), for the list of product models.



INFORM. INSPIRE. IMPROVE.



# CERTIFICATE OF CONFORMITY

SAI Global hereby grants:

## Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

### Watermark Certificate of Conformity - Level 1

Evaluated to:

**AS 3688:2016 - Water supply and gas systems - Metallic fittings and end connectors**

"the WaterMark Licensee" the right to use or arrange the use of the WATERMARK as shown below only in respect of the goods described and detailed on the product schedule identified on [www.saiglobal.com](http://www.saiglobal.com) which are produced by the WaterMark Licensee or on behalf of the WaterMark Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the WATERMARK and the Terms and Conditions for certification. The WaterMark Licensee covenants to comply with all the Rules and Terms and Conditions

**Certificate No:** WMK26137

**Issued:** 3 February 2017

**Originally Certified:** 3 February 2017

**Expires:** 2 February 2022

**Current Certification:** 3 February 2017

Nicole Grantham  
General Manager SAI Global Certification Services



\* For details of manufacture, refer to the licensee

The WATERMARK is a registered certification trademark of Australian Building Codes Board ABN 74 599 608 295 and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to [www.saiglobal.com](http://www.saiglobal.com) for the list of product models.



INFORM. INSPIRE. IMPROVE.



No. de certificado: NYCE6809  
Clave de evaluación: NYCE 21 CP RE (258) 044 (001)

## Normalización y Certificación NYCE, S.C.

Otorga el presente

### CERTIFICADO DE PRODUCTO

a

#### RIFENG ENTERPRISE (FOSHAN) CO., LTD. (Fabricante)

Con domicilio en: No.1 Rifeng Road, Número F1-F14, Leping Town, San Shui District, Foshan,  
Guangdong, R.P. China, C.P. 528000

Para el producto

**Tubos multicapa de Polietileno – Aluminio- Polietileno (PE-AL-PE) para la conducción de Gas Natural (GN) y Gas Licuado de Petróleo (GLP), designación nominal 16 mm, 20 mm, 25 mm y 32 mm; empleados en instalaciones a la intemperie u ocultas, marca RIIFO, país de origen China.**

Por cumplir las especificaciones de la Norma Mexicana

**NMX-X-021-SCFI-2014 "Industria del gas – Tubos multicapa a base de polietileno y aluminio para la conducción de gas natural (GN) y gas licuado de petróleo (GLP) - Especificaciones y métodos de ensayo"**

y los procedimientos establecidos por el Organismo de Certificación de Producto de NYCE.

Este certificado se expide en la Ciudad de México, el día 16 de Agosto de 2021,  
bajo la opción 2 "Certificación de producto con Sistema de Gestión de Calidad (SGC)" con vigencia:

**del 16 de Agosto de 2021 al 15 de Agosto de 2024**

La vigencia de este certificado queda sujeta al resultado de las visitas de seguimiento que el Organismo de Certificación de Producto realice para evaluar el cumplimiento del producto con la norma bajo la cual fue certificado inicialmente.

ATENTAMENTE

JUAN PABLO NAVA ORUBE  
DIRECTOR DE OPERACIONES

El uso indebido de este certificado dará como resultado la cancelación del mismo.

1/1



No. de certificado: NYCE6813  
Clave de evaluación: NYCE 21 CP RE (258) 044 (002)

## Normalización y Certificación NYCE, S.C.

Otorga el presente

### CERTIFICADO DE PRODUCTO

a

#### RIFENG ENTERPRISE (FOSHAN) CO., LTD. (Fabricante)

Con domicilio en: No.1 Rifeng Road, Número F1-F14, Leping Town, San Shui District, Foshan,  
Guangdong, R.P. China, C.P. 528000

Para el producto

**Conectores de latón con recubrimiento de níquel para Tubos multicapa de Polietileno – Aluminio- Polietileno (PE-AL-PE) para la conducción de Gas Natural (GN) y Gas Licuado de Petróleo (GLP), designación nominal 16 mm, 20 mm, 25 mm y 32 mm; empleados en instalaciones a la intemperie u ocultas, marca RIIFO, país de origen China.**

Por cumplir las especificaciones del

**APÉNDICE NORMATIVO B (Requisitos para conectores) de la norma mexicana NMX-X-021-SCFI-2014 "Industria del gas – Tubos multicapa a base de polietileno y aluminio para la conducción de gas natural (GN) y gas licuado de petróleo (GLP) - Especificaciones y métodos de ensayo"**

y los procedimientos establecidos por el Organismo de Certificación de Producto de NYCE.

Este certificado se expide en la Ciudad de México, el día 20 de Agosto de 2021,  
bajo la opción 2 "Certificación de producto con Sistema de Gestión de Calidad (SGC)" con vigencia:

**del 20 de Agosto de 2021 al 19 de Agosto de 2024**

La vigencia de este certificado queda sujeta al resultado de las visitas de seguimiento que el Organismo de Certificación de Producto realice para evaluar el cumplimiento del producto con la norma bajo la cual fue certificado inicialmente.

ATENTAMENTE

JUAN PABLO NAVA ORUBE  
DIRECTOR DE OPERACIONES

El uso indebido de este certificado dará como resultado la cancelación del mismo.

1/1

# Underfloor Heating System Certificates

**AENOR**

**AENOR Product Certificate**  
**Plastics**



**001/005976**

AENOR certifies that the organization

**RIFENG ENTERPRISE GROUP, CO., LTD.**

registered office: 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN 528000 GUANGDONG (China)

supplies: Multilayer piping systems PERT for hot and cold water installations inside buildings

in conformity with standard UNE-EN ISO 21003:
 

- UNE-EN ISO 21003-1:2009 (EN ISO 21003-1:2008)
- UNE-EN ISO 21003-1:2009 ERRATUM:2009
- UNE-EN ISO 21003-2:2009 (EN ISO 21003-2:2008)
- UNE-EN ISO 21003-2:2009 ERRATUM:2009
- UNE-EN ISO 21003-2:2009/A1:2011 (EN ISO 21003-2:2008/A1:2011)
- UNE-EN ISO 21003-3:2009 (EN ISO 21003-3:2008)
- UNE-EN ISO 21003-3:2009 ERRATUM:2009
- UNE-EN ISO 21003-5:2009 (EN ISO 21003-5:2008)
- UNE-EN ISO 21003-5:2009 ERRATUM:2009

references: Specified in Annex to the Certificate

Certification scheme: In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.71.

First issued on: 2013-04-10  
Last issued on: 2018-04-10  
Validity date: 2023-04-10

  
**Rafael GARCÍA MEIRO**  
 Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR002.001

**AENOR**

**AENOR Product Certificate**  
**Plastics**



**001/005975**

AENOR certifies that the organization

**RIFENG ENTERPRISE GROUP, CO., LTD.**

registered office: 5th/F RIFENG BUILDING, 16 ZUMIAO ROAD, FOSHAN 528000 GUANGDONG (China)

supplies: Multilayer piping systems PEX for hot and cold water installations inside buildings

in conformity with standard UNE-EN ISO 21003:
 

- UNE-EN ISO 21003-1:2009 (EN ISO 21003-1:2008)
- UNE-EN ISO 21003-1:2009 ERRATUM:2009
- UNE-EN ISO 21003-2:2009 (EN ISO 21003-2:2008)
- UNE-EN ISO 21003-2:2009 ERRATUM:2009
- UNE-EN ISO 21003-2:2009/A1:2011 (EN ISO 21003-2:2008/A1:2011)
- UNE-EN ISO 21003-3:2009 (EN ISO 21003-3:2008)
- UNE-EN ISO 21003-3:2009 ERRATUM:2009
- UNE-EN ISO 21003-5:2009 (EN ISO 21003-5:2008)
- UNE-EN ISO 21003-5:2009 ERRATUM:2009

references: Specified in Annex to Certificate

Certification scheme: In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.71.

First issued on: 2013-04-10  
Last issued on: 2018-04-10  
Validity date: 2023-04-10

  
**Rafael GARCÍA MEIRO**  
 Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR002.001

# NSF International

## REFERENCE CERTIFICATE

Rifeng Enterprise (Foshan) Co., Ltd.  
Facility: Foshan, China

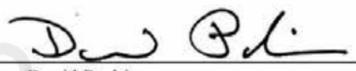
COMPLIES WITH NSF/ANSI 14 AND THE FOLLOWING REFERENCE STANDARDS. PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE AUTHORIZED TO BEAR THE NSF MARK.

ASTM E84  
ASTM F1281  
ASTM F1807  
ASTM F877  
ASTM F876/F877  
ASME A112.4.14/CSA B125.14  
AWWA C904  
CAN/ULC S102.2  
CSA B137.5  
CSA B137.10  
NSF/ANSI 61  
NSF/ANSI 372



This certificate is supplemental to the NSF Certification Certificate and does not replace the NSF Certification Certificate. This certificate is the property of NSF International and must be returned upon request. For the most current and complete product information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

Issue Date: March 30, 2021  
Certificate Valid Through: March 30, 2022  
Certificate # 74631-16R

  
David Purkiss  
General Manager, Plumbing



This certifies that

RIFENG ENTERPRISE (FOSHAN) CO. LTD.

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

**B1 MULTILAYER PEX/AL/PEX PIPE, F1C COMPRESSION FITTINGS & F5 PRESS FITTINGS**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))

The product so mentioned will be valid until the end of:

May 2025

2005323

Certificate No.



Secretary



Chairman, Product Assessment Group

# PVC Drainage System Certificates



This certifies that

**RIFENG ENTERPRISE GROUP CO.,LTD.**

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

**"'FS5 SERIES' OF 2 PORT, 3 PORT AND 4 PORT MANIFOLDS INCORPORATING SPHERICAL VALVES:  
FS5-3/4-1/2X2, FS5-3/4-1/2X3, FS5-3/4-1/2X4, FS5-1-3/4X2, FS5-1-3/4X3  
FS5-1-3/4X4."**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))

The product so mentioned will be valid until the end of:

**November 2023**

**1811335**

Certificate No.

*J Funnal*

Secretary

*[Signature]*

Chairman, Product Assessment Group



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

## **CERTIFICATE OF COMPLIANCE**

FULLNESS EXAMINATION OF TECHNICAL FILE

Certificate No.	: ATCO.0014
Issue Date	: 16/08/2019
Expiry Date	: 15/08/2024
Applicant (Name & Address)	: RIFENG ENTERPRISE (FOSHAN) CO.,LTD F1-F14 No.1 Rifeng Road, Sanshui District, Foshan City, Guangdong Province, China
Manufacturer (Name & Address)	: Same as applicant
TCF No.	: TCF-VC-AN-2019081301
Test Report No.	: G19-WT6548E
Product Description	: PVC-U PIPES AND FITTINGS
Model(s)	: Refer to ANNEX I
Standard(s)	: ISO 3633:2002

This is to certify that, upon the relevant request of the applicant, EUROCERT as Third Party Authority has reviewed the Technical Construction File of the described product which found to fulfill the basic health and safety prerequisites of the relevant Standard(s)

**Note:**

- The manufacturer should issue a Declaration of Conformity according to the basic requirements of the applicable and relevant directives.
- All modifications to the Technical File should be first submitted to the Third Party Inspection Authority to ensure further validity of this attestation.
- This certificate is valid only for the product and configuration described and in conjunction with the technical data detailed above.

Please check the validity of the certification from our website using the password **HNWFZMNX**



Third Party Authority Stamp

On Behalf of EUROCERT

*[Signature]*  
George N. Sifonios  
Director of Development

89 CHILICIS STR. & UKOVRISIOS, 144 52 METAMORFOSI, ATHENS, GREECE  
Tel: +30 210 62 52 495 - 30 210 62 53 927 - Fax: +30 210 62 03 018  
Internet site: [www.europcert.gr](http://www.europcert.gr) - e-mail: [europcert@otenet.gr](mailto:europcert@otenet.gr)





EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

### CERTIFICATE OF COMPLIANCE

FULLNESS EXAMINATION OF TECHNICAL FILE

Certificate No. : TPI.0021  
 Issue Date : 14/08/2020  
 Expiry Date : 13/08/2025  
 Applicant (Name & Address) : Rifeng Enterprise (Foshan) Co.,Ltd.  
 F1-F14 No.1 Rifeng Road, Sanshui District, Foshan City, Guangdong Province, China.  
 Manufacturer (Name & Address) : Same as applicant  
 TCF No. : VC-AN-2020081402  
 Test Report No. : 878603, 872219, 16868872856  
 Product Description : Multilayer pipes and brass fittings  
 Model(s) : Refer to ANNEX I  
 Standard(s) : EN ISO 21003-2:2008, EN ISO 21003-3:2008, EN ISO 21003-5:2008

This is to certify that, upon the relevant request of the applicant, EUROCERT as Third Party Authority has reviewed the Technical Construction File of the described product which found to fulfill the basic health and safety prerequisites of the relevant Standard(s)

**Note:**

- The manufacturer should issue a Declaration of Conformity according to the basic requirements of the applicable and relevant directives.
- All modifications to the Technical File should be first submitted to the Third Party Inspection Authority to ensure further validity of this attestation.
- This certificate is valid only for the product and configuration described and in conjunction with the technical data detailed above.

Please check the validity of the attestation from our website using the password **A46XZfmY**



On Behalf of EUROCERT

George Briskolas  
Managing Director

89 CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
Tel: ++30 210 62.52.495, 30 210 62.53.927 Fax: ++30 210 62.03.018  
Internet site: www.eurocert.gr e-mail: info@eurocert.gr

Certificate No.: TPI.0021

page 1 of 4



## CERTIFICATE OF CONFORMITY

SAI Global hereby grants:

### Rifeng Enterprise Group Co.,Ltd.

5/F, Rifeng Building, 16 Zumiao Road, Foshan, Guangdong China

#### WaterMark Certificate of Conformity – Level 1

Evaluated to:

**AS/NZS 1260:2017 - PVC-U pipes and fittings for drain, waste and vent application**

"the WaterMark Licensee" the right to use or arrange the use of the WATERMARK as shown below only in respect of the goods described and detailed on the product schedule identified on www.saiglobal.com which are produced by the WaterMark Licensee or on behalf of the WaterMark Licensee" and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the WATERMARK and the Terms and Conditions for certification. The WaterMark Licensee covenants to comply with all the Rules and Terms and Conditions

Certificate No: WMK26347

Issued : 15 February 2019  
Expires : 13 February 2024

Originally Certified : 14 February 2019  
Current Certification : 14 February 2019

Kevin Goodwin  
General Manager Technical Services  
SAI Global Assurance



WaterMark



WWW.JAS-ANZ.ORG/REGISTER

\* For details of manufacture, refer to the licensee  
The WATERMARK is a registered certification trademark of Australian Building Codes Board ABN 74 599 608 295 and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to www.saiglobal.com for the list of product models.



INFORM. INSPIRE. IMPROVE.