GLOBAL
PIPING
LOCAL
SOLUTIONS

REPOLEN
SYSTEM

PPR & PE SYSTEMS DESIGNED AND MADE IN SPAIN

Reboca S.L is a company specialized in the **production and design of polypropylene and polyethylene** pipes under the REPOLEN brand. With a long-standing track record in the manufacture of pipes, fittings, manifolds, and collectors, the company has a presence across four continents. Our Random Copolymer Polypropylene (PPR) pipes and fittings, as well as High-Density Polyethylene (HDPE) pipes and fittings, are designed for use in installations for cold and hot domestic water systems, heating, air conditioning, cold water, regenerated water, fire protection, and pressurized fluids.

We are a family-owned business with a MADE IN SPAIN seal. Our headquarters are located in L'Olleria, Valencia. We have a complete infrastructure and laboratory that allows us to develop and implement a **quality system** capable of offering the **highest guarantees** to our customers since 1981. We continuously work, accumulating experience, knowledge, and technology to offer the best service and product to our clients.

Our **mission** is to contribute to the development of innovative piping systems and accessories that ensure a sustainable future and promote the **circular economy**. We are in constant research, betting on innovation to offer our clients the most competitive advantages. We always adhere to demanding quality standards that ensure the **high efficiency** of our REPOLEN product range.

Our REPOLEN piping systems are designed with both the end user and intermediaries, such as distributors and construction companies, in mind. Our pipes have **a lifespan of 50 years**, and providing peace of mind to our customers during this time is vital for our company. We place **people at the center** and we are at their service throughout the entire project.

Reboca is in full **expansion**, and our goal is to continue growing. We aim to keep offering high-quality piping systems and provide specific solutions for each project. We are on the path to becoming a **national and international reference** in the manufacture of pipes for fluid transport.

We look to the future with enthusiasm and optimism, knowing we must work hard every day to offer innovations to the market, while maintaining our commitment to the environment and caring for the surroundings. We want to make a **positive impact**

REBOCA S.L

About us

both on today's society and on future generations. We invest in innovation to develop efficient pipes that reduce water consumption and optimize the use of raw materials and energy in their manufacturing.

Since its beginnings, Reboca S.L has had an **innovative character** focused primarily on meeting the needs of the industry and its customers. The Boluda Casanova brothers were ahead of their time, pioneering in the recovery and recycling of plastic materials in 1981.

Two years after starting plastic recycling activities, and driven by a desire for improvement, recycled materials were used to extrude the first Micro-Irrigation pipe. Marking the first step in becoming **pipe manufacturers**, which is the company's current *"core business"*.

In 1991, the expansion of infrastructure enabled the launch of a new product range the following year. With the creation of new PP-R and PP-RP pipes, the need arose to **create a brand** to help identify the new products: REPOLEN. This turning point allowed them to enter a highly competitive sector, where their presence started growing and keeps doing it due to two key factors:

- **Our strong commitment** to product quality, constant improvement, innovation, and advanced technology.
- **Our main objective** definitely is achieving the highest customer satisfaction by supporting them throughout all stages of the process.

As a result of these efforts, REPOLEN has transformed into a brand whose products have become the **best solution** for hydro-sanitary installations, air conditioning, heating, cooling, shipbuilding, chemical industry, and fire protection, striving for excellence in both **the national and international markets**.

”

REPOLEN encapsulates, evokes, and synthesizes the past, present, and future of REBOCA.

Cronology

1981

Reboca is founded by two brothers in l'Olleria - Spain

1981

FIRST PHASE
Recovery and recycling of plastic materials

1983

DRIP IRRIGATION
We produced our first pipe for irrigation

2018

INFRASTRUCTURE
The production facilities were expanded and since then, our installations keep growing

2019

BIM
We implemented the BIM library for our range of pipes and fittings

2020

ECUADOR
Opening of the international delegation in Guayaquil, Ecuador

2020

ISO 14001
We achieved the ISO 14001 standard, a leading environmental management certification

2021

REPOLEN FIRE
We launched our first halogen-free PP-RCT piping system for fire protection systems to the market

2022

ENVIRONMENTAL PRODUCT DECLARATION
We achieved the EPD (Environmental Product Declaration) that controls the complete lifecycle of our products and their environmental impact

2023

LARGE DIAMETERS
Our pipe production range increased its capacity up to diameters of 400mm

The story of a family

1985

PRODUCTION
The first pipe line for pressurized water conduction was manufactured

1991

INFRAESTRUCTURE
The production facilities were expanded for the first time.

1992

REPOLEN
Our polypropylene pipe and fittings brand was born

1994

REPOLEN BRAND GROWS
A wide range of pipes and fittings were added to the REPOLEN catalog, which continued to expand to this day

2001

CERTIFICATES
We obtained the first of many AENOR certificates

2007

FIRST INTERNACIONAL EXPANSION
Opening of the first international office in Cuba

2013

MULTILAYER PIPES
The production of the first multilayer pipe was carried through

2023

ICC-ES ACCORDING TO FM1635 CERTIFICATION REPOLEN FIRE
Certification of the Fire line by ICC-ES according to the FM 1635 standard

2024

REPOLEN PRE-INSULATED PIPES SYSTEM
A new business line is created with pre-insulated pipes featuring PUR insulation (Polyurethane)

What's now

We continue working, accumulating experience, knowledge, and technology to offer the best service and products to our clients

Sustainability

OUR COMMITMENT TO THE ENVIRONMENT

Since our beginnings in 1981, with the main activity of plastic material recovery and recycling, the environment has been and continues to be one of the key pillars of our company. As a manufacturer of PPR pipes, a plastic material, we have the **responsibility** to meet current needs without compromising future generations. We are aware of the value our services bring to society and are committed to the protection of the natural environment. We are **committed to a sustainable future**.

CIRCULAR ECONOMY

All REPOLEN products are made from a **non-toxic material** that generates no waste during manufacturing, promoting the production of goods aimed at **achieving zero waste**. Additionally, the design characteristics allow for reduced consumption due to their great durability (50 years of useful life) and efficiency throughout their lifespan. Once this lifespan ends, REPOLEN piping systems are properly reintegrated into the cycle due to their **recyclability**, transforming back into raw materials for various products. We think about the future of our products.

SUSTAINABLE DEVELOPMENT IS POSSIBLE

At Reboca S.L, every year our Quality and Sustainability department sets different sustainable improvement objectives. We manufacture **environmentally friendly products** by using the best sustainable materials, which are later used to build sustainable buildings.

In our Quality and Environmental Management policy, in addition to maintaining the quality system in compliance with legal and regulatory standards and manufacturing high-quality products, **our goal is to respect the environment and its surroundings**. At Reboca, we carry out this environmental commitment through various actions.

AENOR
GESTIÓN AMBIENTAL
ISO 14001

IQNET
RECOGNIZED CERTIFICATION

MORE
Movilizados por el Reciclado
2020

Our commitment

REBOCA FOR A ZERO-EMISSIONS PLANET

On one hand, thanks to the environmental best practices training at Reboca, **we raise awareness** and sensitize all our employees, instilling respect for the environment.

We use **packaging products made from recovered materials** and others containing up to 90% recycled material. Furthermore, we have redesigned our cardboard boxes, reducing the printed surface by 95% and achieving packaging that is much more aligned with our values.

On the other hand, at Reboca, we manufacture products using environmentally friendly raw materials. We **recover our waste and produce pipes from recycled material** from our own factory. Additionally, we have an installation of 800 photovoltaic modules and an anti-spill system for surplus energy.

In other words, our facilities are green, as, in addition to zero waste, **we use solar energy**, which is directly collected by the solar panels on the roof of our L'Olleria plant.

ENVIRONMENTAL CERTIFICATIONS

A further step in our commitment to the environment was implementing the **international Environmental Management standard** ISO 14001:2015. We are also registered on the MORE platform with a working methodology focused on sustainable transition through digital **traceability** systems and information management.

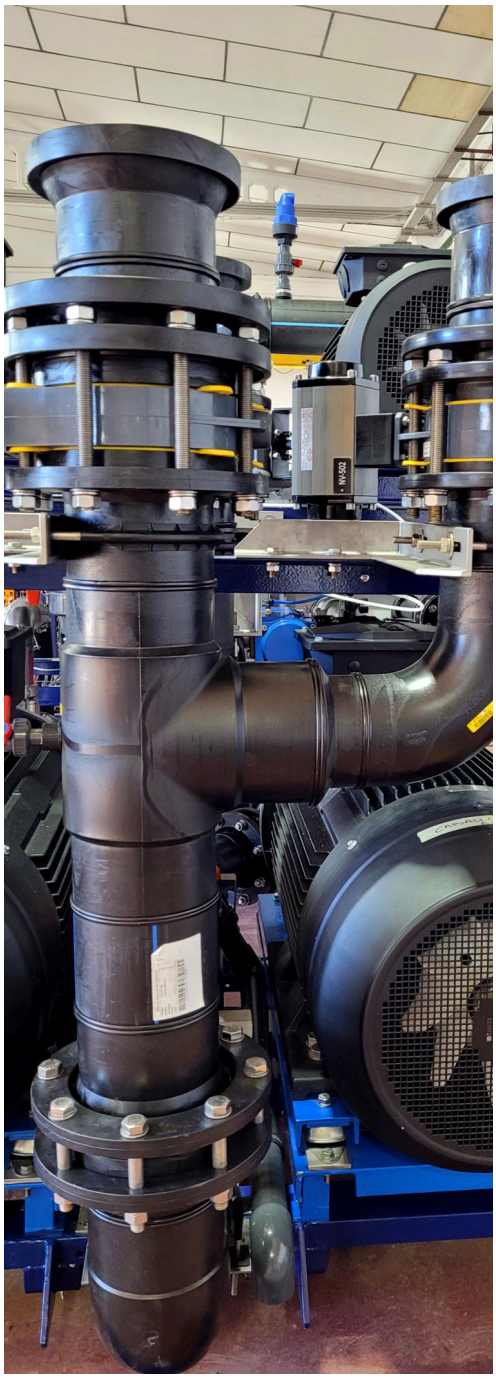
Furthermore, we hold the Environmental Product Declaration (EPD). This is a summary of the Life Cycle Assessment (LCA) of a product.

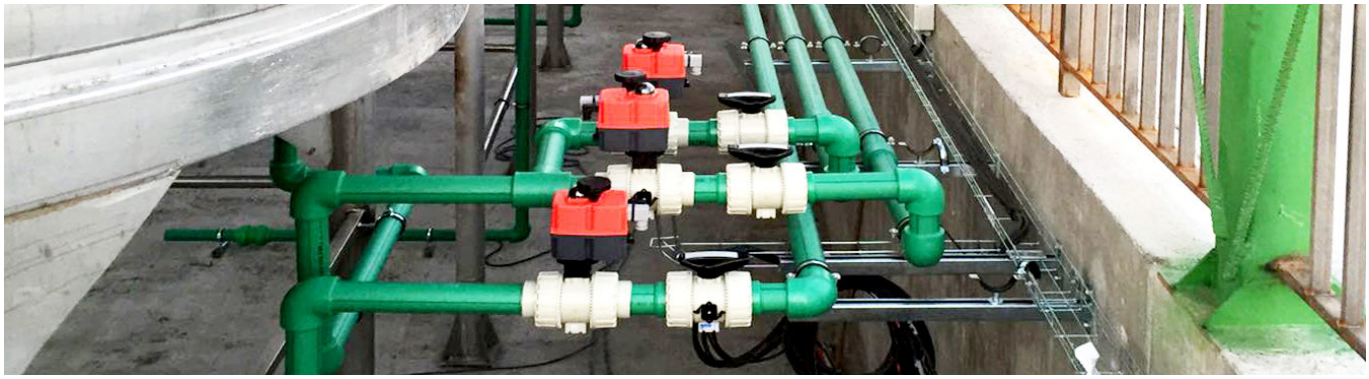
Operation Clean Sweep®

EPD®
THE INTERNATIONAL EPD® SYSTEM

Success stories

Project portfolio





Custom design and manufacture

At Reboca S.L, we offer a wide range of manifolds and collector systems, made from either REPOLEN PPR pipes and fittings or PE100, as well as our REPOLEN FIRE RP fire protection system. We have significant **manufacturing capacity**, enabling us to tailor products to the specific requirements of our clients. We decided to promote the production of pre-assembled manifolds, collector systems, and fittings with the aim of **minimizing on-site execution times**, **reducing the need for skilled labor**, and **decreasing potential errors** and defects in the installation. The manufacturing of customized REPOLEN manifolds and collectors is fully personalized, adhering to the guidelines outlined in the UNE 53943 standard.

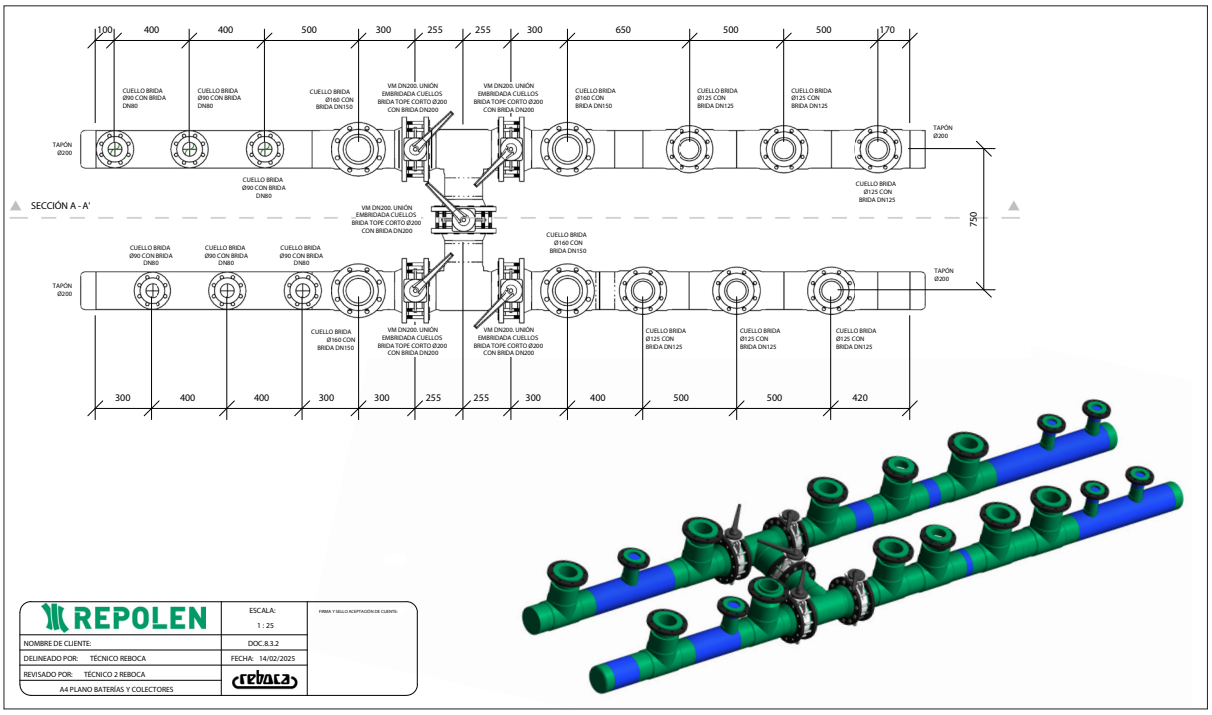
CLIENT REQUIREMENTS

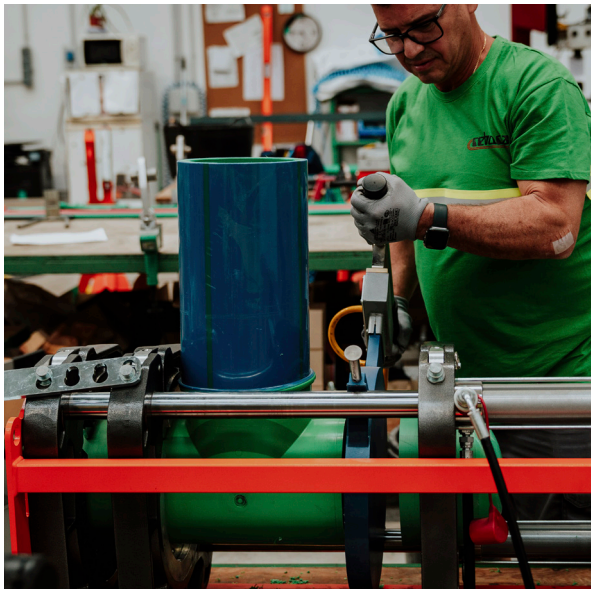
TECHNICAL DRAWING BY SPECIALISTS

CALCULATIONS BIM TECHNOLOGY

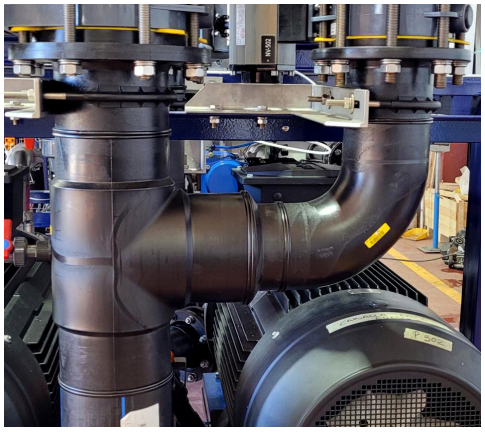
BREAKDOWN AND QUOTATION

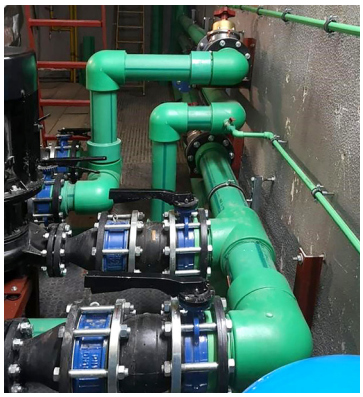
CUSTOM MANUFACTURING





Made in Spain





5 ADVANTAGES OF TAILORED MANIFOLD AND COLLECTOR DESIGN

- Completely customized design, tailored to the project's needs and guided by experts
- Very easy installation, with extremely lightweight material. Reduces costs and accelerates assembly time
- Prevents blockages by eliminating deposits, also reducing pressure loss
- Maximum safety in saline environments, resistant to corrosion, high pressure, and excellent structural rigidity
- Environmentally friendly materials with insulating properties, both electrically and acoustically

General information

Application fields

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL ENERGY
- FIRE PROTECTION

Area

- INTERIOR
- EXTERIOR

Supply

- PIPES IN BAR
- PIPES BAGGED
- ROLLED

Estructura

- M — MONOLAYER
- MCF — MULTILAYER FV FASER

What is SDR?

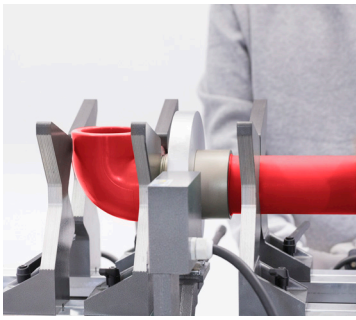
The **SDR** is the numerical designation of a series of pipes, approximately equal to **the ratio between the nominal outer diameter** (DN) and the **nominal wall thickness** (e). The **series** (S) is a **dimensionless number** used to designate the pipe according to ISO 4065 standards.

SDR = DN (mm) /e (mm) **SDR** = 2 x Serie + 1 **Serie** = SDR - 1 / 2

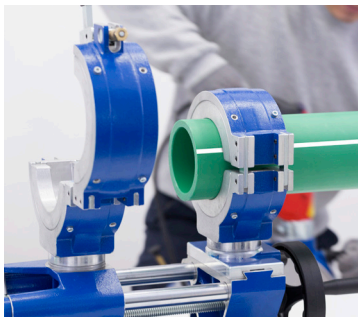
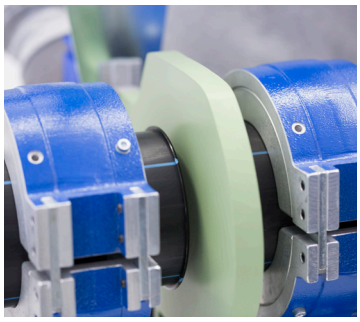
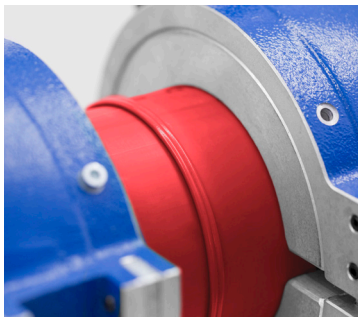
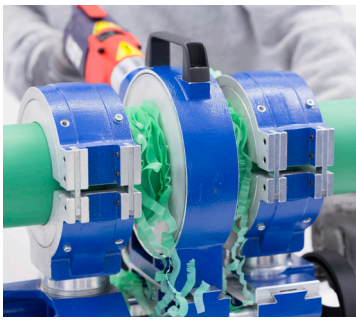
Types of welding

SOCKET
Ø16 - Ø125



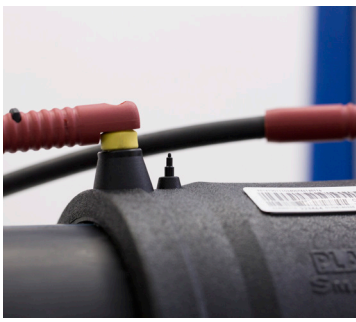



BUTT WELD
Ø40 - Ø400

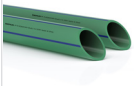
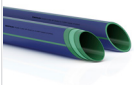
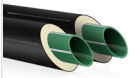
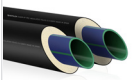
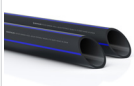





ELECTROFUSION
Ø25 - Ø315



Applications

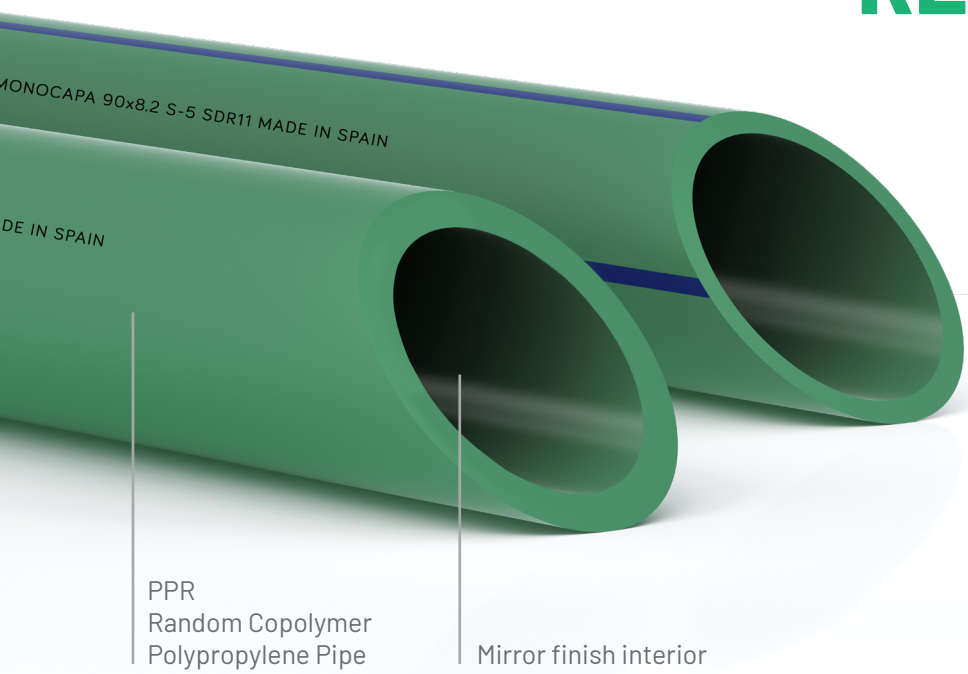
PIPE		NAME	SERIE / SDR	MATERIAL	COLOR
MONOLAYER PPR		Repolen PP-R pipe	2,5 / 6 3,2 / 7,4	PPR	Green
		BLUE LINE Repolen PP-R pipe	5 / 11	PPR	Green with blue lines
		REGENERATED WATER Repolen pipe	5 / 11	PPR	Green with purple exterior
MULTILAYER PPR		FASER Repolen pipe	3,2 / 7,4	PPR + FG	Green with dark green lines
		FASER RP Repolen pipe	3,2 / 7,4 4 / 9	PPRCT + FG	Green with grey lines
		FASER RP UV Repolen pipe FASER CLIMA UV Repolen pipe	3,2 / 7,4 4 / 9 5 / 11	PPR + FG + UV PPRCT + FG + UV	Green with black exterior
		FASER CLIMA Repolen pipe	3,2 / 7,4 5 / 11 8 / 17	PPR + GF PPRCT + GF	Blue with green lines
		PREINSULATED RP Repolen pipe	4 / 9	PPRCT + FG PUR HFO HDPE	Green with grey lines, cream and black
		PREINSULATED CLIMA Repolen pipe	3,2 / 7,4 4 / 9	PPRCT + FV PUR HFO HDPE	Blue with green lines, cream and black
FIRE		Repolen FIRE RP pipe	3,2 / 7,4 5 / 11	PPRCT + FG + additive	Red exterior with green interior
PE100		Repolen PE-100 Pipe	4 / 9 5 / 11	PE-100	Black with blue lines
		Repolen PREINSULATED PE-100 pipe	8 / 17	PE-100 PUR HFO HDPE	Black with blue lines, cream and black

DCW	DHW	HVAC	DRINKING WATER	REGENERATED WATER	COMPRESSED AIR	GEOTHERMAL ENERGY	SANITATION	GAS	DATA	IRRIGATION	FIRE PROTECTION
✓	✓	✓	O		✓	✓					
O	O		✓		O	O					
O	O			✓	O	O					
✓	✓	✓	✓		✓	✓					
✓	✓	✓	✓		✓	✓					
✓	✓	✓	✓		✓	✓					
✓	✓	✓	✓		✓	✓					
✓	✓	✓	✓		✓	✓					
✓	✓	✓	✓		✓	✓					
											✓
	O		✓	✓	O	O	✓	✓	✓		O
	✓	✓	✓		✓	✓					

MONOLAYER PIPE

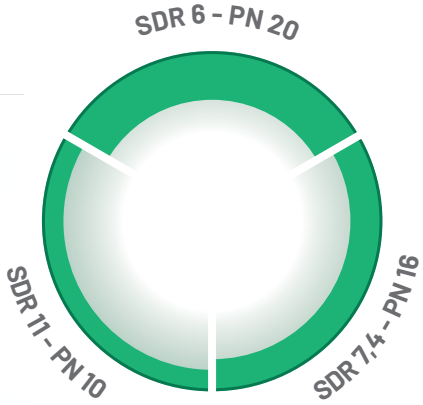
REPOLEN PP-R

Ø 16 - 160 mm



PPR
Random Copolymer
Polypropylene Pipe

Mirror finish interior



SOLUTIONS FOR ALL SECTORS

From homes to industries, REPOLEN PP-R pipes are **ideal for cold and hot pressurized water** applications in any indoor setting. They are perfect for hydrosanitary installations, HVAC systems, heating, thermal water systems, geothermal installations, and much more.

SUITABLE FOR DRINKING WATER

PP-R polypropylene pipes are **odorless, tasteless, and non-toxic**, making them the ideal material for the transportation of fluids such as drinking water. Additionally, our REPOLEN PP-R BLUE BAND pipe is perfect for indicating the passage of drinking water in installations with different fluids. The lines also make it easier to align accessories.

PROVEN HIGH RESISTANCE

Made from Random Copolymer Polypropylene Type 3, REPOLEN pipes stand out for their **exceptional mechanical resistance** (up to 100ºC) and superior chemical resistance, ensuring optimal performance under extreme conditions. The **chemical resistance** of REPOLEN pipes makes them the perfect choice for industrial liquids, recycled water, and compressed air systems, guaranteeing durability and safety.

ECO-FRIENDLY AND 100% RECYCLABLE

All our REPOLEN pipes are made from virgin raw material, as regulations do not permit the use of recycled materials for drinking water. Due to our **environmental commitment**, we use materials that are eco-friendly and 100% recyclable.

QUALITY GUARANTEED

Manufactured in accordance with UNE EN ISO 15874, with **AENOR certification** (No. 001/005595), REPOLEN pipes meet the highest standards of safety and quality. This certification guarantees the reliability and longevity of our products, giving you peace of mind with every installation.

50 YEARS WITHOUT BLOCKAGES

The smooth inner walls **prevent** the build-up of algae or other types of **deposits or attachments**. This ensures a constant flow speed and internal diameter for years.

FAST AND EASY INSTALLATION

The lightweight nature of the pipes accelerates assembly, making them ideal for installations in hard-to-reach areas. This **reduces** both **installation time and execution costs**.

APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL ENERGY
- FIRE PROTECTION

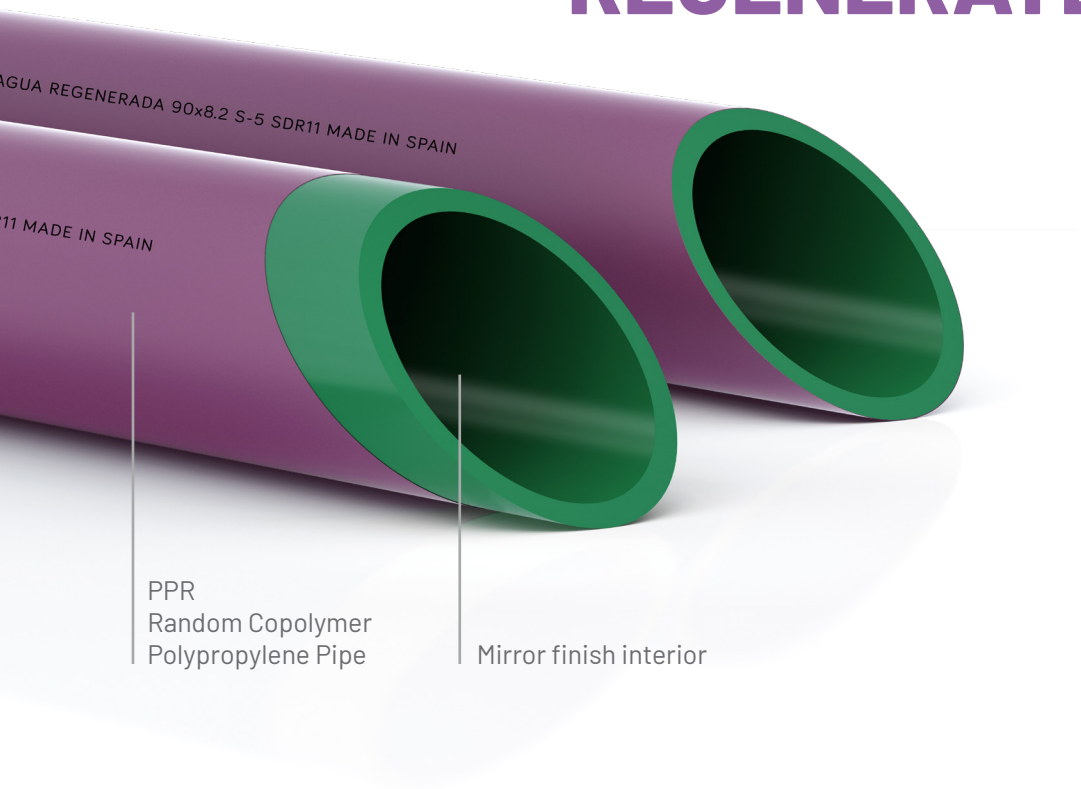
5 ADVANTAGES OF REPOLEN PP-R MONOLAYER

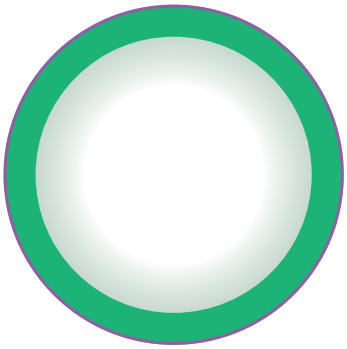
- Recommended for DCW (Domestic Cold Water) due to its excellent resistance to freezing
- Perfect for drinking water. Non-toxic, odorless, colorless, and tasteless material
- Total protection in saline environments, with resistance to corrosion, pressure, and extreme heat
- Electrical and acoustic insulation properties, reducing noise transmission compared to metal pipes
- Prevents the buildup of deposits, avoiding blockages and reducing pressure loss.

REPOLEN PIPE

REGENERATED WATER

Ø 20 - 110 mm

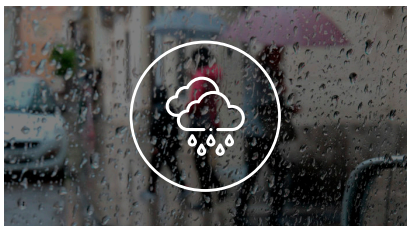




SDR 11 - PN 10

REPOLEN PP-R REGENERATED WATER is the best system for transporting cold and hot, pressurized reclaimed water. This pipes offer **exceptional mechanical resistance**, up to 100ºC and below 0ºC, and excellent chemical resistance. The REPOLEN PP-R REGENERATED WATER pipe is a single-layer pipe designed to provide solutions in all situations requiring pressurized reclaimed water transportation.

These pipes share the properties of REPOLEN PP-R pipes, offering numerous uses. However, an increasing number of initiatives now consider implementing systems for the **collection and storage of rainwater** in facilities, buildings, and renovations. REPOLEN PP-R REGENERATED WATER pipes are specifically designed for irrigation systems using recycled water. They are also suitable for laundry applications or toilets. The piping system should be entirely independent from the rest of the water supply. We recommend these pipes for use in industrial installations, agriculture, livestock, communal interior facilities, or sports complexes.

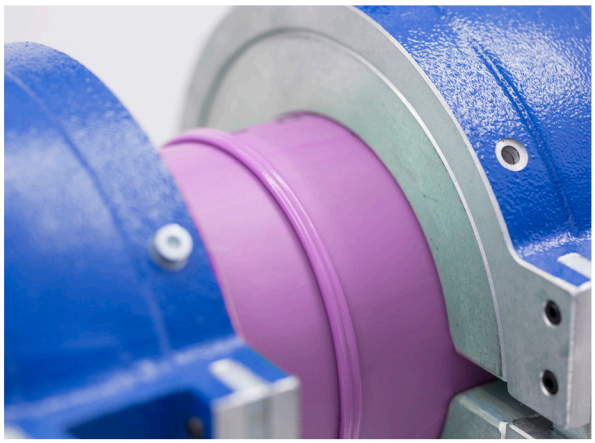


RAIN WATER

IRRIGATION

LAUNDRY

REPOLEN PP-R REGENERATED WATER pipes are manufactured in accordance with the UNE EN ISO 15874 standard and are **certified by AENOR** (Product Certificate No. 001/005595). Thanks to the inherent characteristics of polypropylene, these pipes stand out for their exceptional chemical resistance, being capable of withstanding both acids and alkalis.



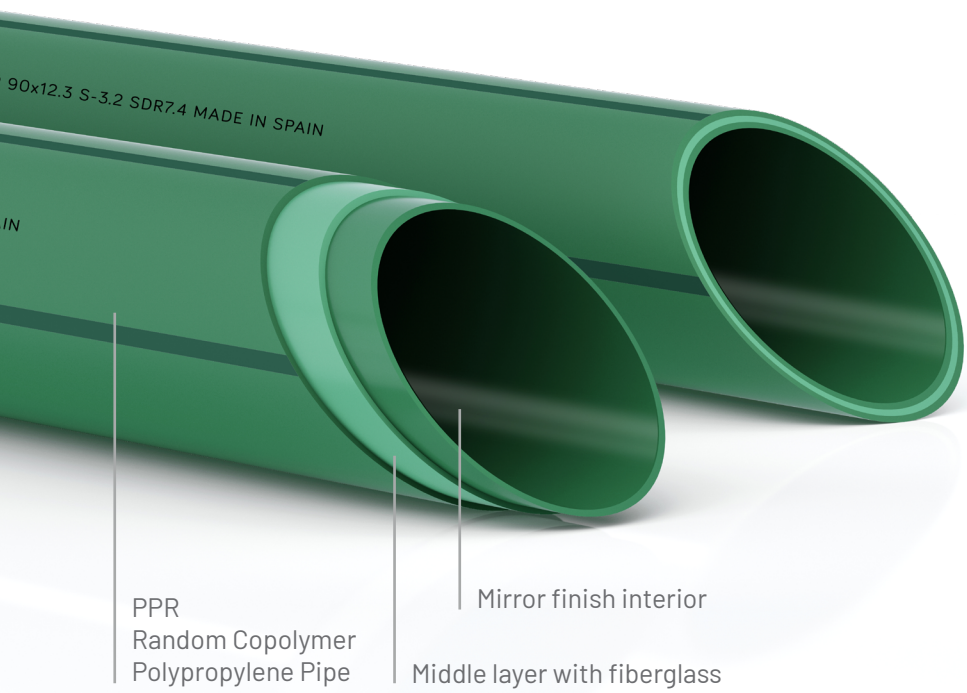
APPLICATIONS

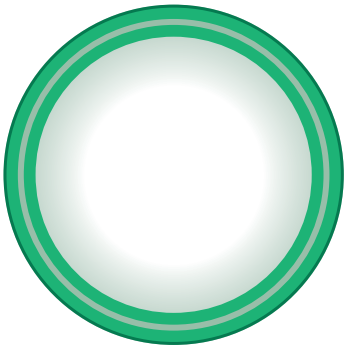
- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED
- GEOTHERMAL ENERGY
- FIRE PROTECTION

5 ADVANTAGES OF REPOLEN PP-R REGENERATED WATER

- Perfect for collecting and reusing rainwater. Non-toxic product, odorless, colorless, and tasteless
- Total protection in saline areas and excellent performance against freezing
- High resistance to corrosion, pressure, and high temperatures. Completely prevents chemical corrosion
- Prevents blockages by eliminating deposits, reducing pressure loss
- Manufactured with recyclable material, lightweight, and easy to install

REPOLEN PIPE
FASER
Ø 20 - 110 mm





REINFORCED WITH GLASS FIBER

REPOLEN FASER pipes are made up of multiple layers of different materials, combining PPR with glass fiber. They are recognized by their dark green stripes on the surface, which also serve as orientation markers, acting as a reference for the components.

Internally, they feature a **layer of glass fiber** that enhances the structural rigidity. This results in a higher capacity to withstand pressure at high temperatures. The improvement in tensile strength reduces the pipe's expansion, which means fewer supports and fewer clamps during installation. In summary, the glass fiber layer not only **optimizes the response to heat** but also reduces the installation space required and **lowers material costs**.

THE SOCKET SYSTEM, THE SOLUTION

We recommend this pipe mainly for **domestic hot water systems**, as it handles high temperatures exceptionally well. Although the REPOLEN FASER pipe is a multi-layer pipe designed to provide solutions for numerous applications, it is particularly suitable for hydrosanitary installations, climate control systems (both with fan coils and underfloor heating), heating, swimming pools, geothermal installations, disinfection systems against legionella, compressed air installations, industrial liquid transport, and more.

REPOLEN FASER pipes are manufactured in accordance with the UNE EN ISO 21003 and UNE EN ISO 15874 standards and have been **certified by AENOR** for compliance (Certificate No. 001/006498), according to technical specification RP.01.72.

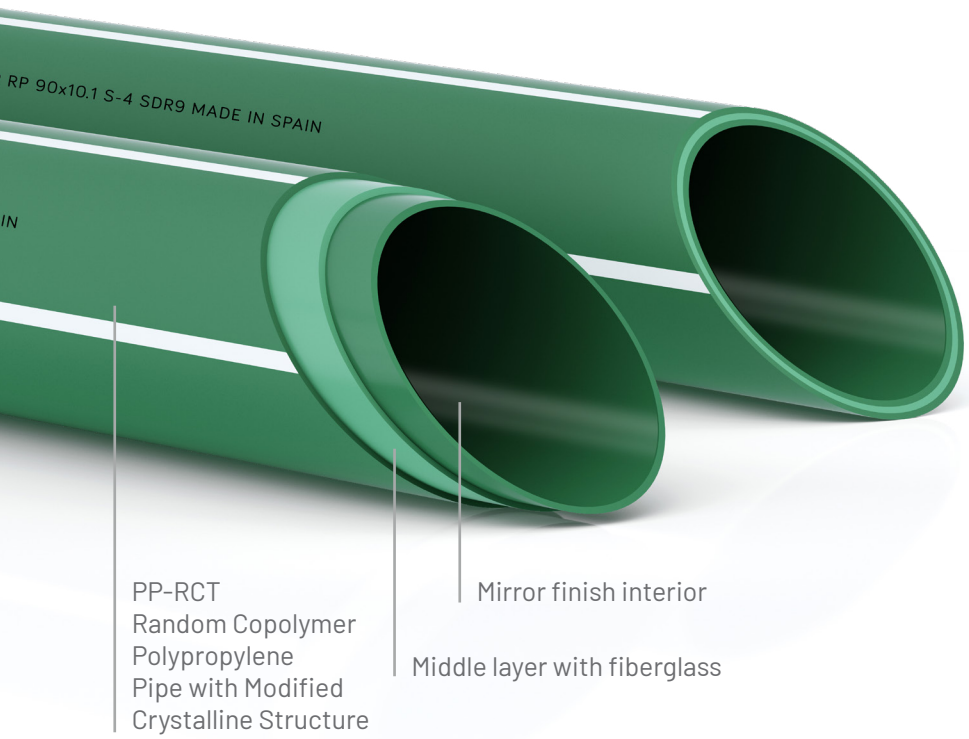
APPLICATIONS

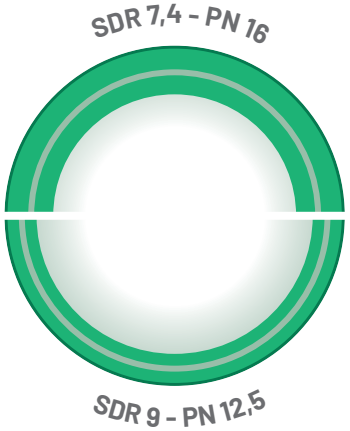
- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

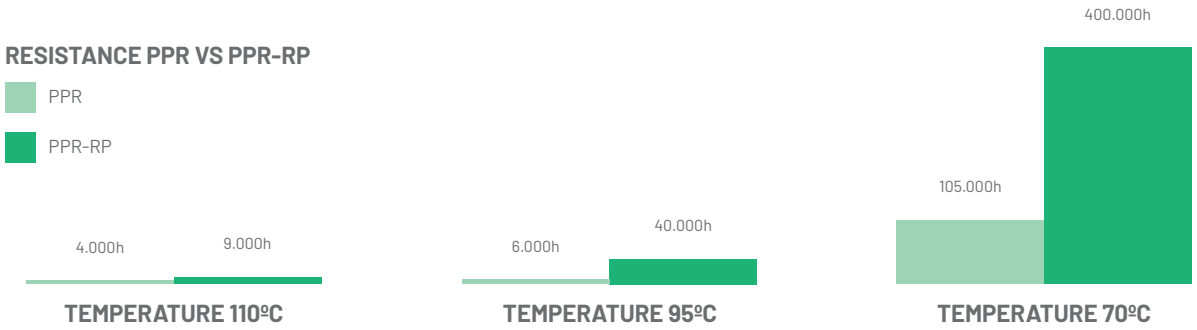
5 ADVANTAGES OF REPOLEN FASER

- Recommended for DHW (Domestic Hot Water) due to its excellent resistance to high temperatures
- Linear expansion coefficient is five times lower than that of single-layer pipes (0.03 vs. 0.15)
- Complete coverage in saline environments. High resistance to corrosion, pressure, excellent structural rigidity
- Eliminates deposits to prevent blockages and reduce pressure loss
- Recyclable product, lightweight, and easy to install

REPOLEN PIPE
FASER RP
Ø 20 - 200 mm







GLASS FIBER AND MODIFIED CRYSTALLINE STRUCTURE

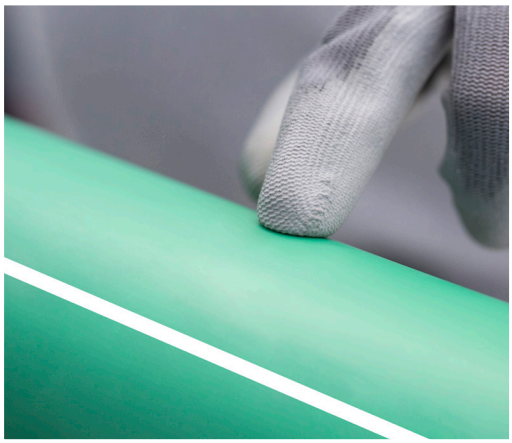
The REPOLEN FASER RP pipes are primarily made with polypropylene **PPR-CT**, which reduces potential expansion and contraction effects due to temperature fluctuations that the pipe may experience over its lifespan. They offer **exceptional mechanical and chemical resistance**. PPR-CT provides **greater stability and durability** compared to standard PPR, minimizing degradation and extending the system's service life.

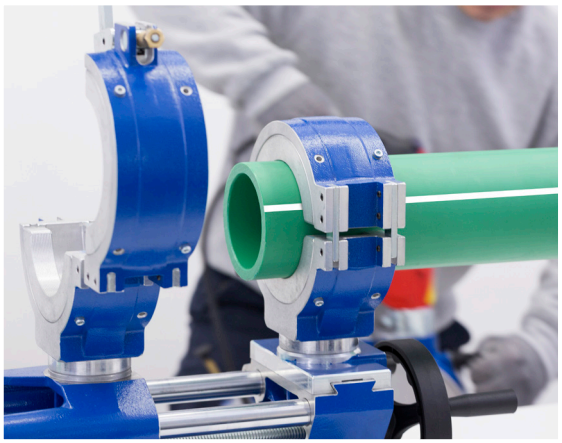
REPOLEN FASER RP pipes are capable of withstanding over 30 years of continuous exposure to 4.3ppm sodium hypochlorite at 60ºC. The intermediate **glass fiber layer** enhances structural rigidity and **improves pressure resistance** at high temperatures. In summary, glass fiber not only **optimizes thermal performance** but also saves space and reduces material costs.

MAXIMUM QUALITY GUARANTEED

The REPOLEN FASER RP pipe is the perfect choice for both residential projects and industrial applications. Designed for hydrosanitary installations, HVAC, heating, geothermal systems, installations sensitive to disinfection against legionella (hospitals, schools, institutional buildings, hotels, sports facilities, etc.), compressed air systems, and transport of industrial fluids. We highly recommend this pipe **for DHW Domestic Hot Water and high-pressure hot water systems** due to its exceptional resistance to both high temperatures and pressures.

The REPOLEN FASER RP pipes are manufactured according to the UNE EN ISO 21003 standard. This pipes offer remarkable chemical resistance in a wide range of industrial substances.





APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

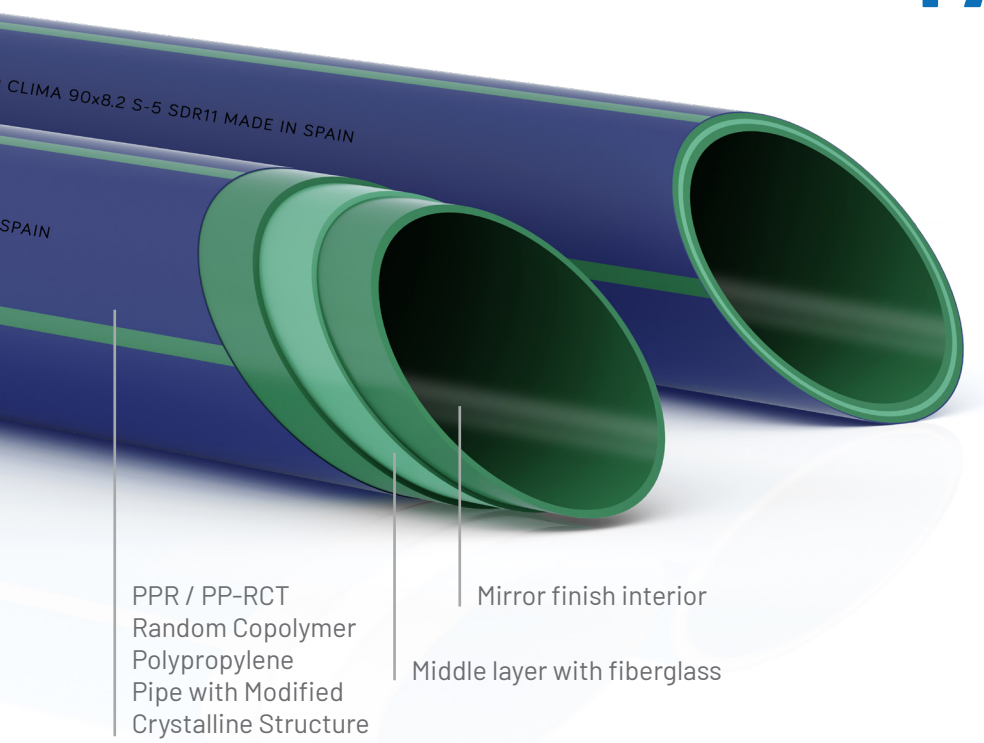
5 ADVANTAGES OF REPOLEN FASER RP

- Ideal for DHW (Domestic Hot Water) due to its ability to withstand high temperatures
- Linear expansion coefficient five times lower than that of monoclayer pipes (0.03 instead of 0.15)
- Complete protection in saline environments. Resists corrosion, pressure, and has excellent structural rigidity
- Acoustic and electrical insulation material, eco-friendly, extremely lightweight, and easy to install
- Elimination of incrustations prevents blockages and reduces pressure loss

REPOLEN PIPE

FASER CLIMA

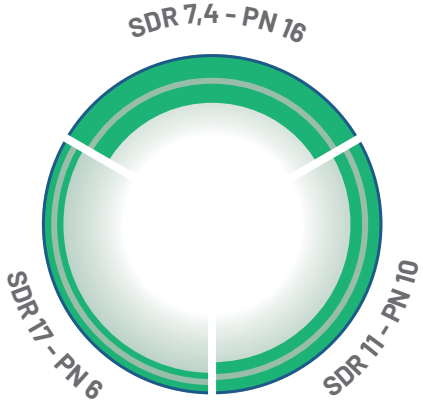
Ø 20 - 500 mm



PPR / PP-RCT Random Copolymer Polypropylene Pipe with Modified Crystalline Structure

Middle layer with fiberglass

Mirror finish interior



HIGH ENERGY EFFICIENCY

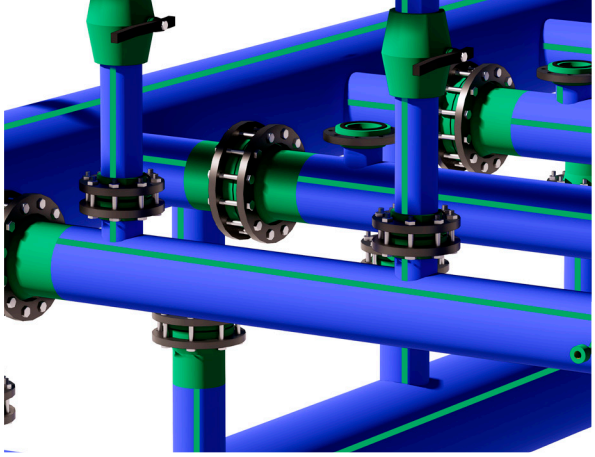
The **fiberglass layer** increases structural rigidity and improves the ability to withstand high pressures and temperatures. This results in a **higher capacity to withstand pressure at elevated temperatures**. The improved tensile strength reduces the expansion of the pipe, allowing for fewer clamps during installation. Thus, fiberglass optimizes thermal performance, reduces the required space, and lowers material costs.

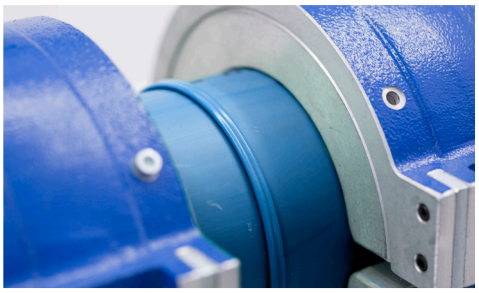
PPR-CT provides greater stability and resistance, enhancing the longevity of the installation. Compared to metal pipes, the REPOLEN system of pipes and fittings requires a thinner insulation layer, as it is a system with excellent thermal efficiency.

FIGHT CORROSION AND SAY GOODBYE TO CLOGGING

The low roughness coefficient of the REPOLEN FASER CLIMA pipe, r=0.007, **helps reduce internal deposits** on the pipe walls, minimizes pressure loss in the system, and ensures consistent fluid flow over time.

In circuits installed with steel pipes, condensation can cause corrosion on the pipe's outer surface. However, with REPOLEN FASER CLIMA pipes, the service life is extended as no corrosion occurs. The polypropylene pipes have **excellent resistance to chemical agents**, both acids and alkalis, in addition to being resistant to many industrial substances. This makes them an ideal solution for long-lasting, reliable installations in various industries.





APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

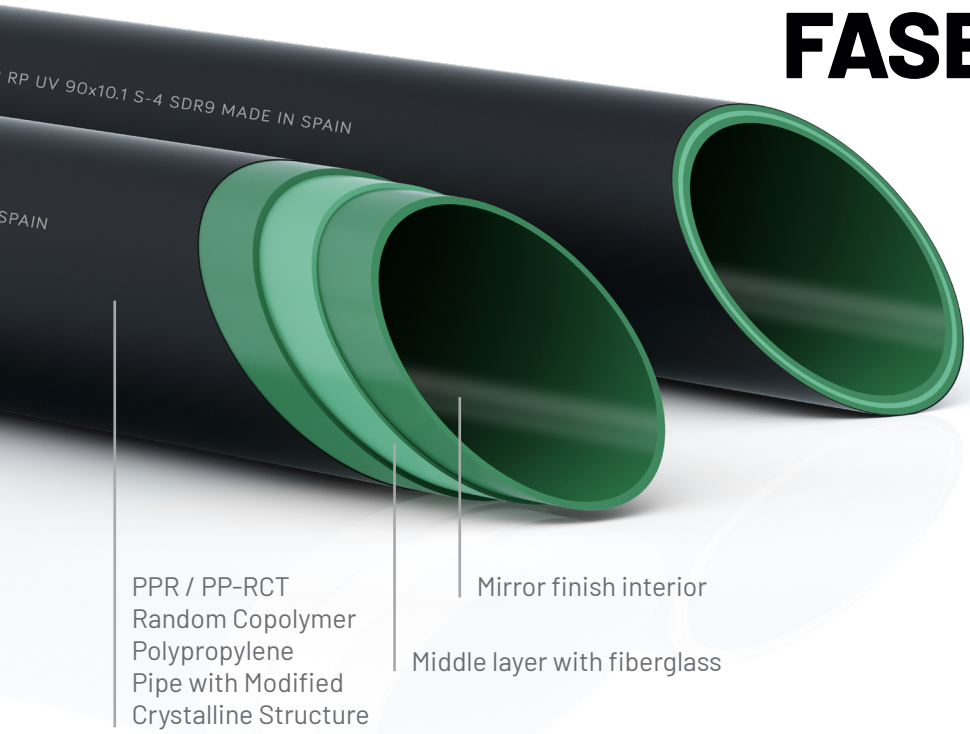
5 ADVANTAGES OF REPOLEN FASER CLIMA

- Especially recommended for HVAC installations due to its high heat tolerance
- Linear expansion is five times lower than that of single-layer pipes (0.03 compared to 0.15)
- Safe in saline environments, exceptional resistance to corrosion, pressure and high structural rigidity
- Prevents clogs by eliminating deposits, which also reduces pressure loss in the system
- Recyclable material, lightweight, easy to assemble, with excellent acoustic and electrical insulation properties

REPOLEN PIPES

FASER RP UV
FASER CLIMA UV

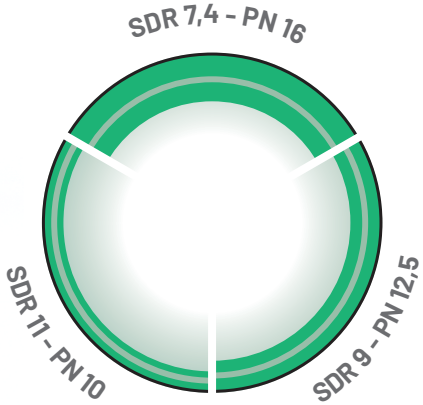
Ø 20 - 160 mm



PPR / PP-RCT
Random Copolymer
Polypropylene
Pipe with Modified
Crystalline Structure

Middle layer with fiberglass

Mirror finish interior

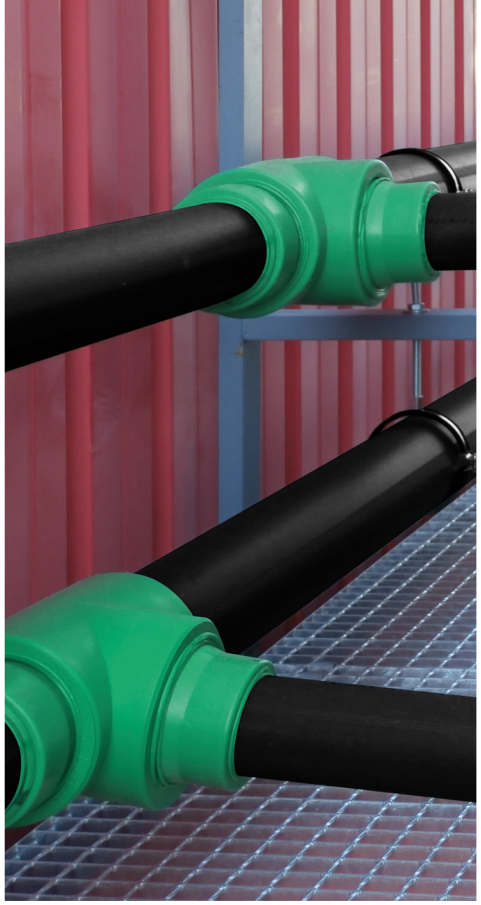


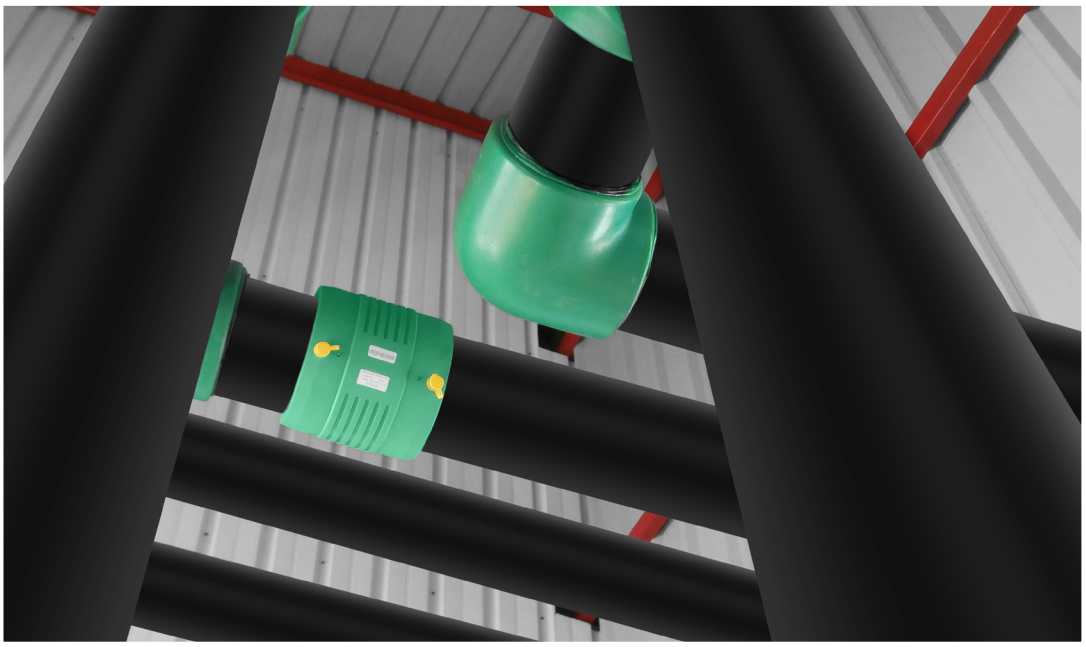
ADVANCED SOLAR PROTECTION. LONG LASTING EVEN IN EXPOSED CONDITIONS

The most distinctive feature of REPOLEN FASER RP UV and REPOLEN FASER CLIMA UV pipes is their **outer layer enriched with antioxidants**, which prevent damage caused by ultraviolet (UV) rays. Polymers degrade when exposed to outdoor conditions due to UV radiation, which affects them when exposed to sunlight for prolonged periods.

The REPOLEN FASER RP UV pipe is the ideal solution for projects that **may be exposed to sunlight in sanitary installations** (connections, meter boxes, collectors, risers, distribution, branches, boilers, accumulators, return lines), installations sensitive to disinfection against Legionella (hospitals, schools, institutional buildings, hotels, sports facilities, etc.). This pipe is particularly recommended for outdoor hot water systems (ACS) where high temperature and pressure resistance is required.

The REPOLEN FASER CLIMA UV pipe is the best choice for **HVAC projects** with a risk of accidental solar exposure. It is designed for both fan coils and underfloor heating, high-temperature boilers, and even radiators. The fiberglass layer improves performance under high temperatures, resulting in greater pressure resistance under extreme conditions.





APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

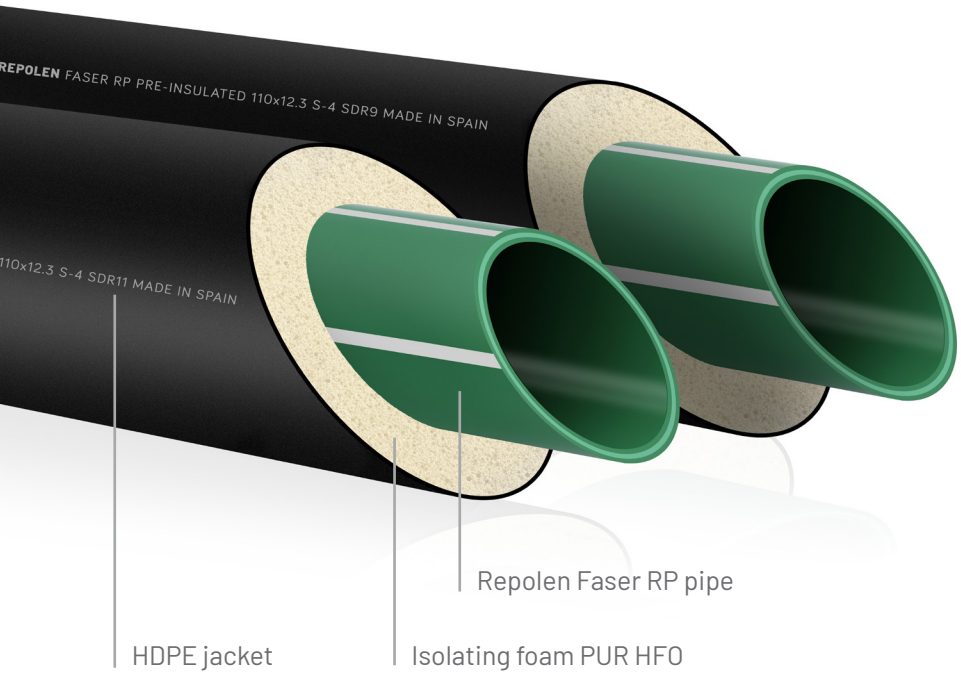
5 ADVANTAGES OF REPOLEN FASER RP UV AND FASER CLIMA UV

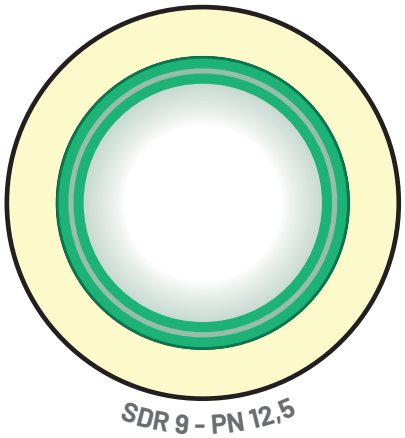
- Designed for HVAC and Domestic Hot Water installations, high heat resistance, and UV solar protection
- Resistant in saline environments, with superior protection against corrosion, pressure, and structural rigidity
- With acoustic and electrical insulating properties
- Eliminates incrustations, preventing blockages and reducing pressure loss
- Recyclable product, extremely lightweight, and easy to install

REPOLEN PIPE

PREINSULATED RP

Ø 20 - 200 mm





ADVANCED INSULATION TECHNOLOGY, MAXIMUM ENERGY EFFICIENCY

The REPOLEN PREINSULATED RP pipe is the most suitable solution for both residential and industrial installations. **Designed for domestic hot water installations and hot water systems under high pressure**, it offers exceptional resistance to high temperatures and pressures. These pipes are manufactured from FASER RP tubes, composed of PPR-CT, which reduces the effects of expansion and contraction due to thermal variations. They are reinforced with fiberglass, providing greater structural rigidity, enhancing pressure resistance at high temperatures, and reducing pipe expansion.

The intermediate layer consists of polyurethane foam (PUR), which surrounds the pipe and serves as an insulator. The outer layer of the preinsulated pipe is a PE100 sheath, which acts as protection between the exterior and the fluid inside the pipe. PE100 offers high UV resistance in situations where accidental solar exposure is a concern. The REPOLEN PREINSULATED RP pipes are the most efficient solution for **installations requiring insulation**. REPOLEN FASER RP pipes are manufactured in accordance with the UNE EN ISO 21003 standard.

PUR-HFO FOAM FEATURES

Technical data	Units	PUR
Apparent core density	Kg/m^3	>55
Compression resistance (10%)	KPa	>160
Closed cells	%	>90
Thermal conductivity coefficient at 10ºC	W/mk	<0,02

APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

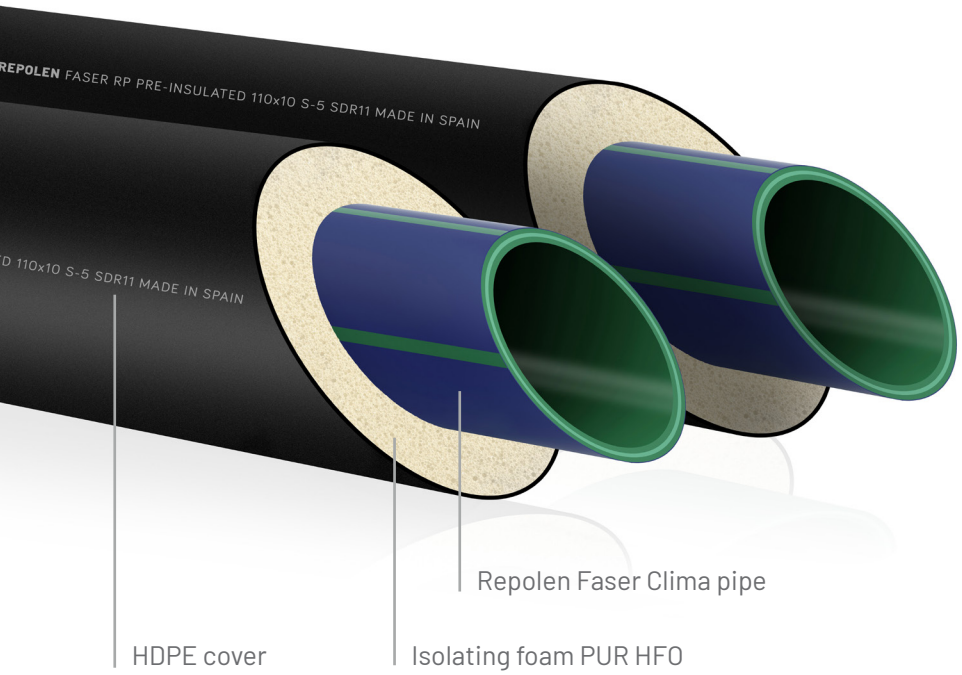
5 ADVANTAGES OF REPOLEN PREINSULATED RP

- Ideal for DHW (Domestic Hot Water) with insulation requirements, high resistance to extreme temperatures
- Maximizes energy savings, eliminates blockages and minimizes pressure loss
- Linear expansion is five times lower compared to single-layer pipes (0.03 instead of 0.15)
- Full guarantee in saline environments, exceptional resistance to corrosion, pressure, excellent structural rigidity
- Recyclable material, lightweight, and easy to install, with outstanding acoustic and electrical insulation properties

REPOLEN PIPE

PREINSULATED CLIMA

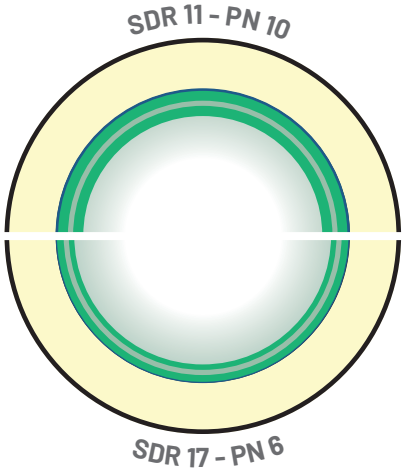
Ø 20 - 500 mm



Repolen Faser Clima pipe

HDPE cover

Isolating foam PUR HFO



EFFICIENT CLIMATE CONTROL. HOW TO ACHIEVE MINIMAL ENVIRONMANTAL IMPACT

The REPOLEN PREINSULATED CLIMA pipe is the ideal choice for both residential and industrial projects. **Designed for air conditioning and heating systems** where energy loss is minimized, optimizing energy resources. The pipes are made from FASER CLIMA tubes, primarily composed of PPR-CT, which reduces the effects of thermal expansion and contraction. They are reinforced with fiberglass, which provides greater structural rigidity, improves pressure resistance at high temperatures, and reduces tube expansion.

The intermediate layer is made of polyurethane foam (PUR), which surrounds the tube, acting as an effective thermal insulator. The exterior of the pre-insulated pipe is coated with a PE100 jacket, which protects the internal fluid and resists accidental solar exposure due to its high resistance to UV rays. The REPOLEN PREINSULATED CLIMA pipes offer the most efficient solution **for installations with insulation requirements**. The REPOLEN FASER CLIMA pipes are manufactured in compliance with the UNE EN ISO 21003 and UNE EN ISO 15874 standards.

PUR-HFO FOAM FEATURES

Technical data	Units	PUR
Apparent core density	Kg/m^3	>55
Compression resistance (10%)	KPa	>160
Closed cells	%	>90
Thermal conductivity coefficient at 10ºC	W/mk	<0,02

APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

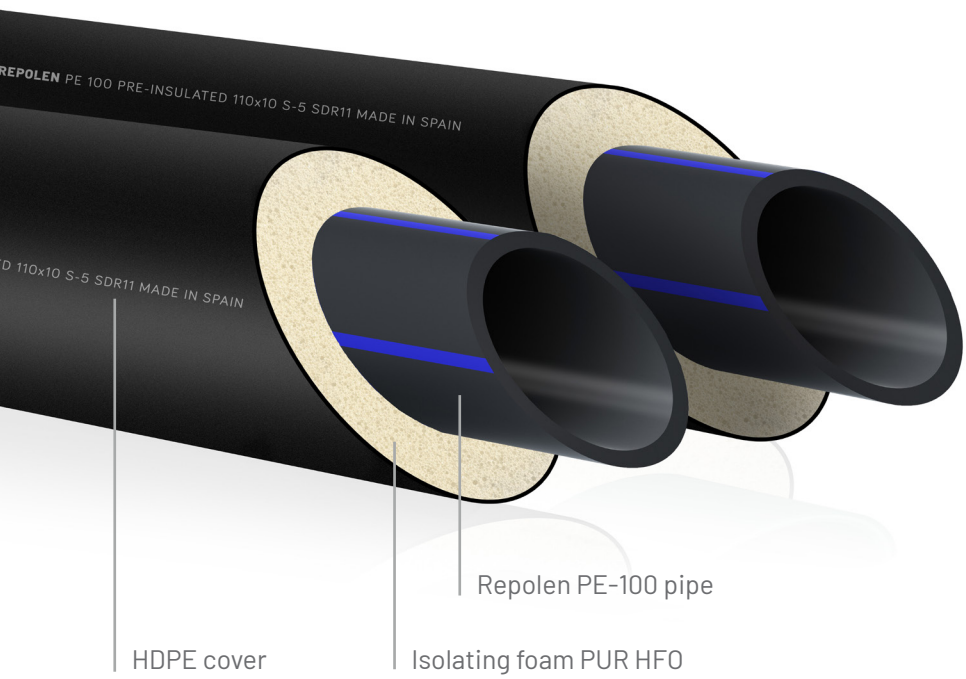
5 ADVANTAGES OF REPOLEN PREINSULATED CLIMA

- Especially suitable for HVAC installations with high thermal insulation requirements
- Maximizes energy efficiency and prevents blockages by eliminating deposits, thus reducing pressure loss
- Linear expansion is five times lower than that of single-layer pipes (0.03 instead of 0.15)
- Complete protection in saline environments, offering high resistance to corrosion, pressure, and structural rigidity
- Acoustic and electrical insulating material, recyclable, lightweight, and easy to install

REPOLEN PE100

PREINSULATED PE100

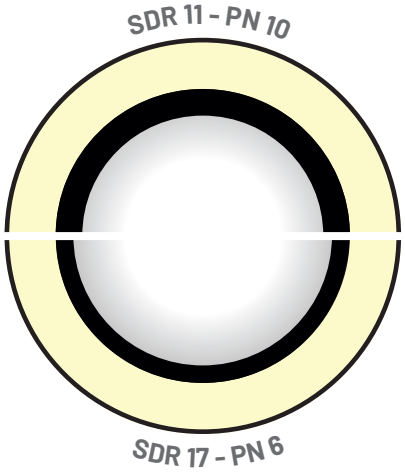
Ø 20 - 400 mm



Repolen PE-100 pipe

HDPE cover

Isolating foam PUR HFO



OPTIMIZE ENERGY CONSUMPTION, CARE FOR THE PLANET AND SAVE COSTS

The REPOLEN PREINSULATED PE100 pipes are composed of PE100 pre-insulated tubes with a layer of sprayed polyurethane foam (PUR) and a high-density polyethylene (HDPE) jacket. Unlike the REPOLEN PREINSULATED CLIMA and PREINSULATED RP, these pipes are primarily made from PE100 polyethylene. The PE100 pipes are manufactured from virgin high-density polyethylene rather than recycled material, ensuring superior quality and greater safety in terms of health standards, making them **ideal for transporting drinking water for human consumption.** They can withstand extreme pressures while maintaining a thinner wall.

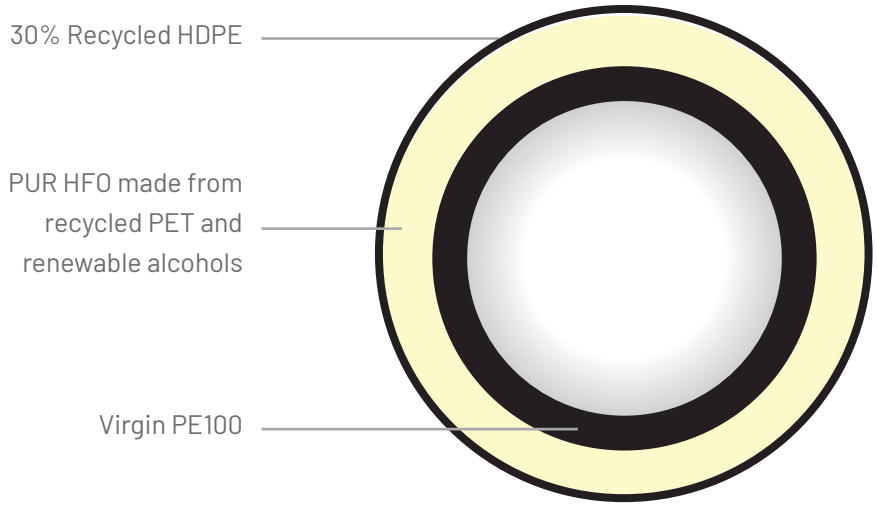
PE100 is known for its ease of processing, which streamlines production, significantly reducing manufacturing costs. This makes the pipes more durable, of higher quality, and ultimately more cost-effective. The flexibility of PE100 combined with the PUR insulation ensures there is no risk of freezing. The REPOLEN PREINSULATED PE100 pipe is the perfect solution for transporting liquids in the industrial sector, as its rigid **PUR foam thermal insulation** reduces heat and energy losses, optimizing energy resources.

PUR-HFO FOAM FEATURES

Technical data	Units	PUR
Apparent core density	Kg/m^3	>55
Compression resistance (10%)	KPa	>160
Closed cells	%	>90
Thermal conductivity coefficient at 10ºC	W/mk	<0,02

5 ADVANTAGES OF THE NEW REPOLEN PREINSULATED PE100

- Perfect for HVAC Systems with insulation requirements, due to its ability to withstand extreme temperatures
- Optimizes energy resources and prevents blockages and clogging by eliminating deposits, ensuring low pressure loss and constant flow
- Full warranty under saline conditions, offering excellent resistance to corrosion, pressure, and structural rigidity
- Streamlines installation: as prefabricated pipes, they reduce installation time, costs, and the need for skilled labor
- Recyclable material, very lightweight, with both acoustic and electrical insulating properties. Requires minimal maintenance



APPLICATIONS

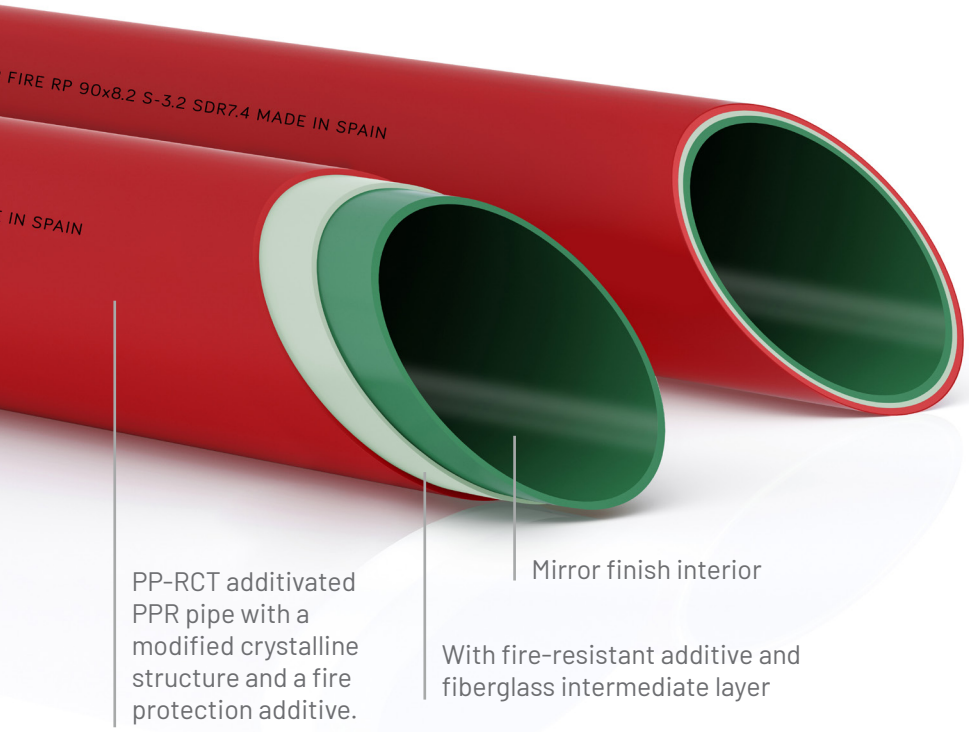
- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

SDR 11
Ø25 - Ø250
SDR 17
Ø25 - Ø250

NOW AVAILABLE

REPOLEN PIPE
FIRE RP

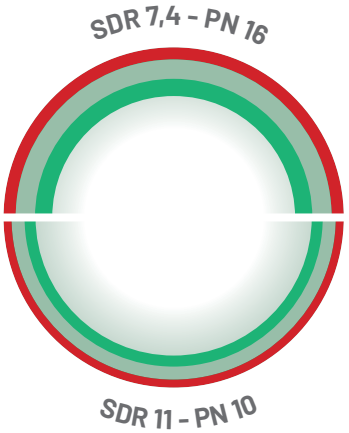
Ø 25 - 160 mm



PP-RCT additivated PPR pipe with a modified crystalline structure and a fire protection additive.

Mirror finish interior

With fire-resistant additive and fiberglass intermediate layer



THE SOLUTION FOR FIREFIGHTING INSTALLATIONS

The REPOLEN FIRE RP System is designed for **automatic sprinkler systems** (only suitable and authorized for wet systems, branched networks, downstream from the control station, and must not have shut-off valves or elements that prevent flow) and **standard fire hose reels** of 25mm and 45mm, according to the Spanish Technical Building Code (CTE).

SAFETY CERTIFICATIONS

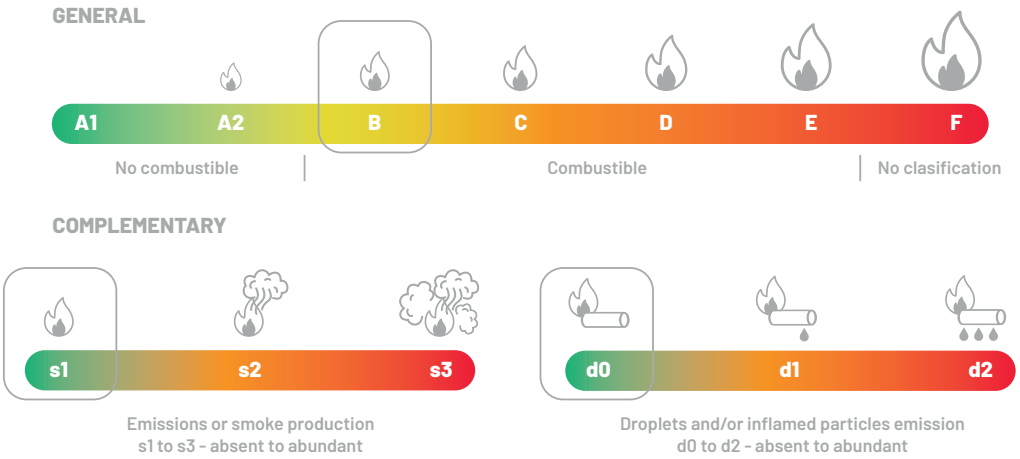
It has classification **B-s1,d0, DIT** certificates for specific water supply networks in fire suppression installations and the **FM1635 certification by ICC ES** (International Code Council Evaluation Service). It is manufactured in compliance with RIPCI (Regulation for Fire Protection Installations) and RSCIEI (Regulation for Fire Safety in Industrial Installations).

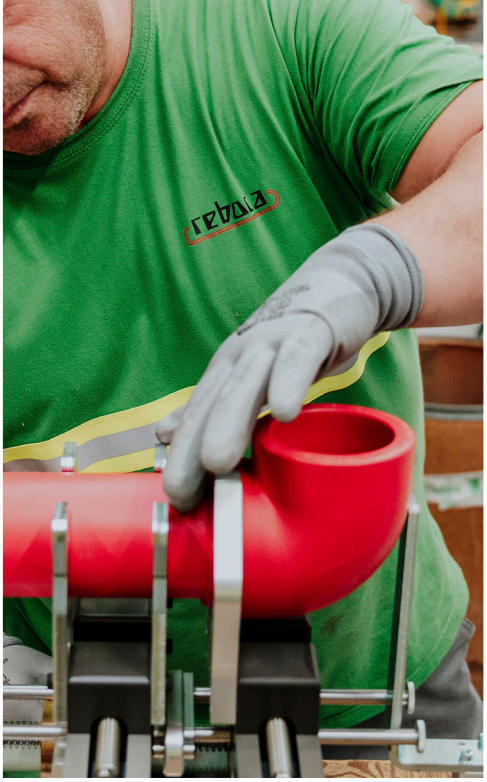
HALOGEN-FREE

The REPOLEN FIRE RP System is **halogen-free**, as it does not contain fluorine, chlorine, bromine, iodine, or astatine in its composition. This means it does not release hazardous substances in the form of toxic smoke during combustion, ensuring safety for people and preventing metal corrosion.

HIGH EFFICIENCY WITH SECURE JOINTS FOR 50 YEARS

The REPOLEN FIRE system features pipes and fittings that are joined using thermofusion. This ensures **secure, reliable connections** throughout the entire service life of the system, designed to last for 50 years. Also, it offers **excellent resistance to corrosion and chemicals**, unlike metal pipes. This system is lighter, making installations faster, reducing assembly times and, consequently, lowering costs.





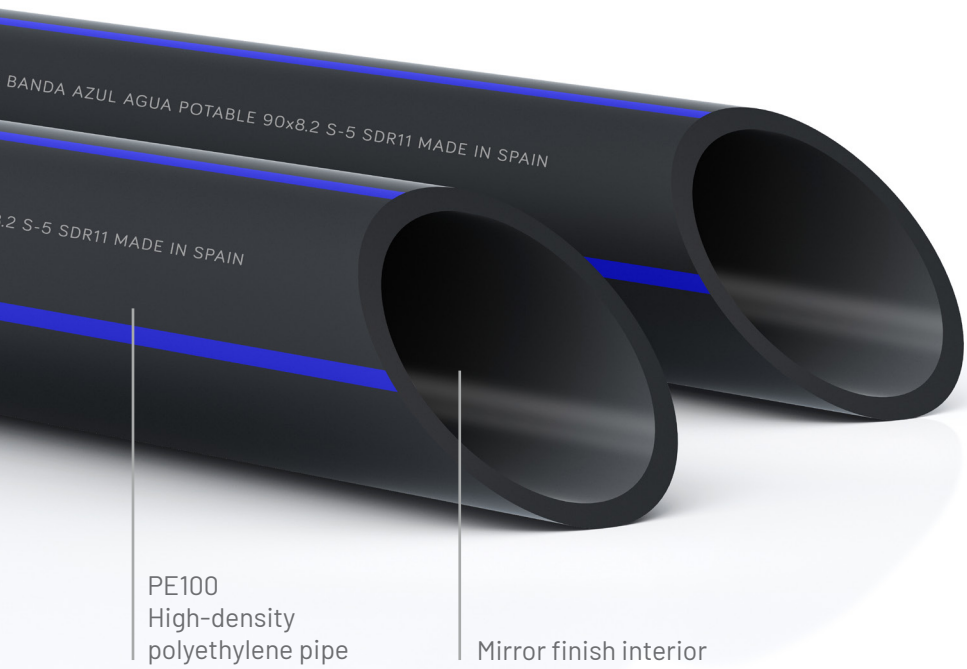
APPLICATIONS

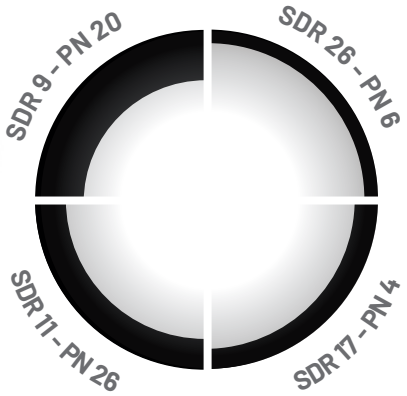
- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

5 ADVANTAGES OF REPOLEN FIRE RP

- High fire resistance with Bs1d0 classification. Minimizes the risk of fire propagation
- Improves safety and visibility during a fire, facilitates evacuation
- Halogen-free, non-toxic, and recyclable material
- Prevents deposits and blockages. Ensures a constant flow without the need for maintenance
- Excellent resistance to extreme temperatures, corrosion, and pressure. It offers superior structural rigidity

REPOLEN PIPE
PE 100
Ø 16 - 400 mm





THE PE100 PIPE SYSTEM

PE100 pipes are made from virgin high-density polyethylene. PE100 pipes are renowned for their **lightness, flexibility, and exceptional resistance** to thermal, chemical, and electrical factors. These pipes can withstand extreme pressures while maintaining a thinner wall thickness. Additionally, they are **resistant to ultraviolet rays**.

SAVES SPACE, TIME, AND MONEY

PE100 has excellent processability, which simplifies the manufacturing process. Moreover, its high flexibility allows for cold bending, enabling it to be supplied in coils, saving space and improving transport efficiency. This leads to **a significant reduction in production costs**, making PE100 pipes more durable, of superior quality, and ultimately more cost-effective.

ANTI-FREEZE AND ANTI-BREAKAGE

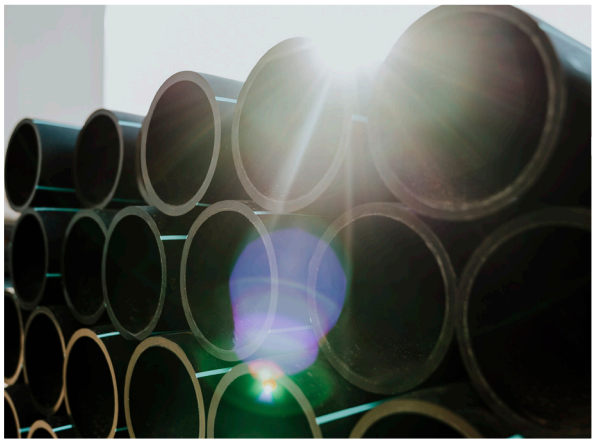
This flexibility ensures that, in the event of freezing, the pipe will return to its original shape after thawing rather than breaking. However, the material is an excellent thermal insulator and can withstand **extreme temperatures**, preventing freezing in cold climates. Additionally, PE100 pipes have an extended service life due to their high resistance to crack propagation, providing a high level of safety. They are also highly resistant to corrosion.

WIDE RANGE OF APPLICATIONS

In summary, Reboca's PE100 pipes can be used for **drinking water installations, irrigation systems, sanitation** facilities, **rainwater** harvesting, **wiring**, and even **gas** systems due to their high impermeability to gases and secure joints through welding, preventing leaks.

DISCOVER ALL THE POSSIBILITIES

- DRINKING WATER
- REGENERATED WATER
- SANITATION
- DATA
- GAS



APPLICATIONS

- DOMESTIC HOT WATER
- DOMESTIC COLD WATER
- HVAC
- DRINKING WATER
- IRRIGATION
- REGENERATED WATER
- SANITATION
- DATA
- GAS
- COMPRESSED AIR
- GEOTHERMAL
- FIRE PROTECTION

5 ADVANTAGES OF REPOLEN PE100

- Suitable for different fluids based on line color. The material is non-toxic, odorless, colorless, and tasteless
- Full warranty in saline environments with optimal freezing performance
- Outstanding resistance to corrosion, pressure, and high temperatures
- Prevention of deposits to avoid blockages and reduce pressure loss
- Acoustic and electrical insulating material, easy to install, recyclable, and lightweight

FITTINGS
REPOLEN PPR

SOCKET

BUTT WELD

MIXED

INOX 316

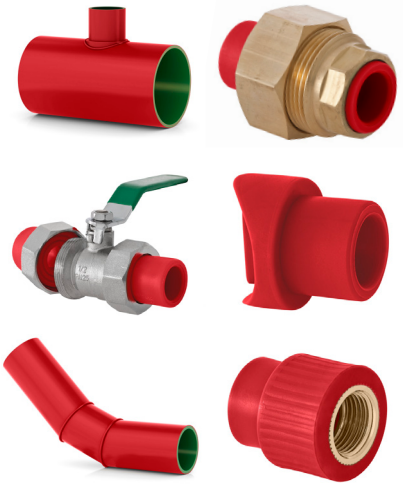
VALVES

TAPPINGS

SEGMENTED

ELECTROFUSIBLE

FITTINGS
REPOLEN FIRE



SOCKET

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REPOLEN PE100

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INOX 316

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SEGMENTED

ELECTROFUSIBLE

REPOLEN one click away

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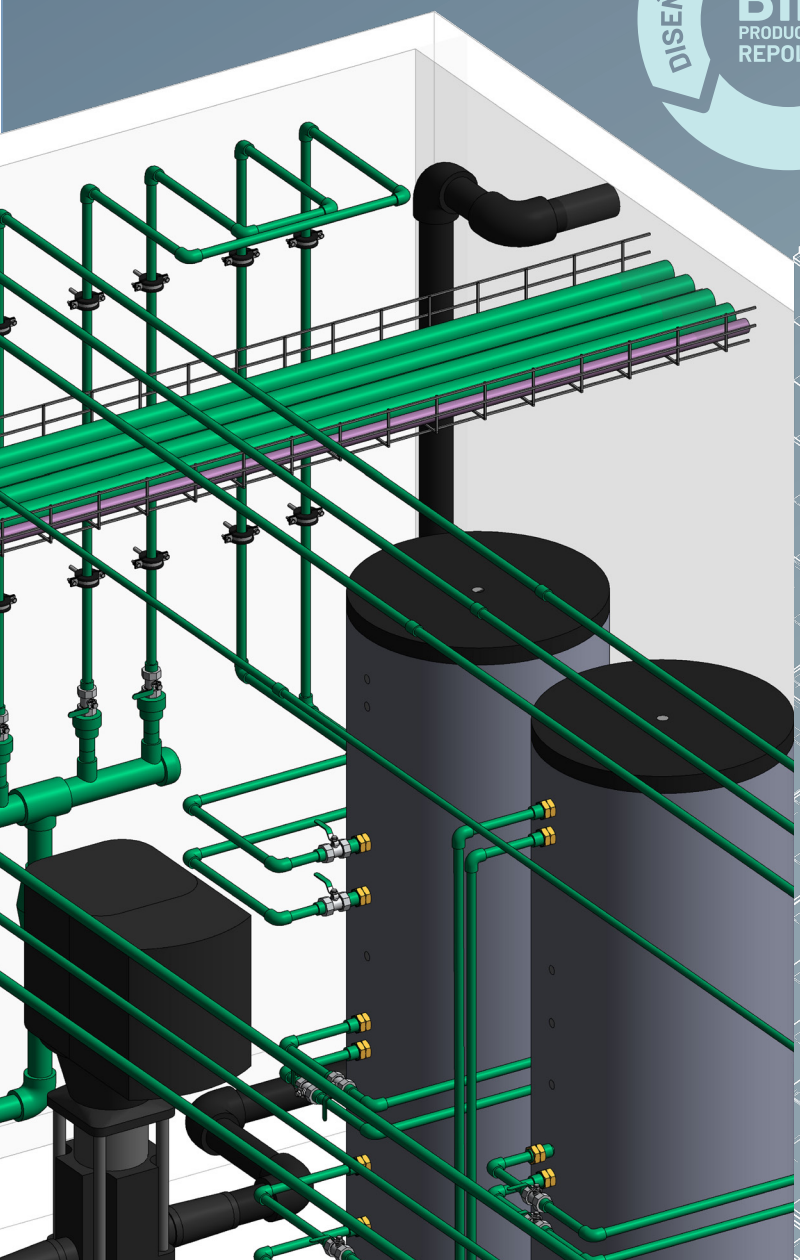

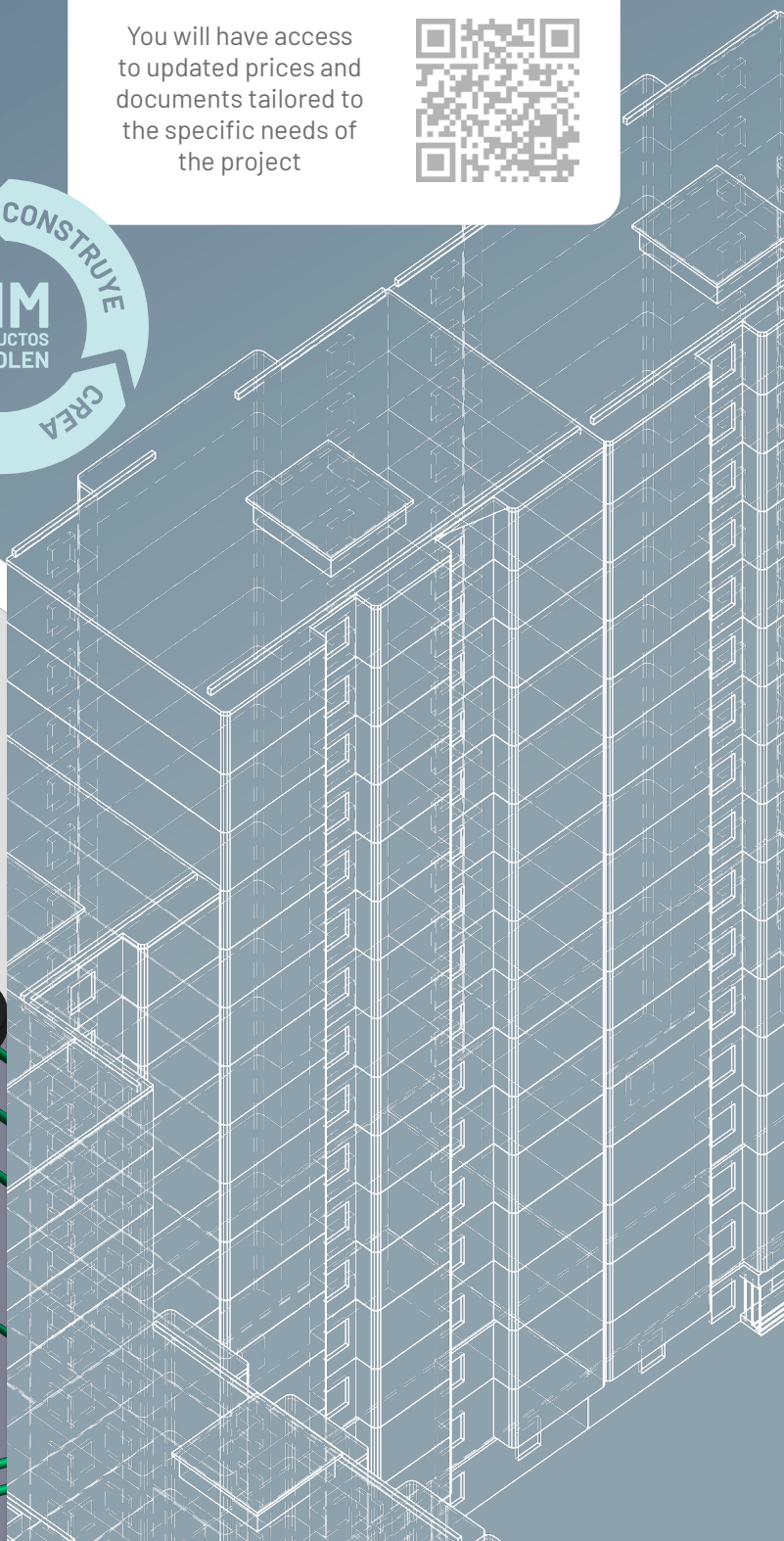

Certified quality

Quality certifications for the following products:

REPOLEN PPR MONOLAYER PIPE SDR 6

REPOLEN FASER PIPE SDR 7,4

REPOLEN FASER RP PIPE SDR 7,4, SDR 9

REPOLEN FASER CLIMA PIPE SDR 7,4, SDR 11, SDR 17

REPOLEN FASER RP UV PIPE SDR 7,4, SDR 9

REPOLEN FASER CLIMA UV PIPE SDR 11

REPOLEN PPR FITTINGS

REPOLEN PE100 DRINKING WATER PIPE SDR 9, SDR 11, SDR 17

REPOLEN PE100 REGENERATED WATER PIPE SDR 11

REPOLEN PE100 GAS PIPE SDR 11

Quality certifications for the following products:

REPOLEN FIRE RP PIPE SDR 7,4, SDR 11

REPOLEN FIRE FITTINGS

Quality certifications for the following products:

REPOLEN PE100 PIPES

REBOCA S.L
Quality management certification

REBOCA S.L
Quality management certification

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MADE IN SPAIN

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