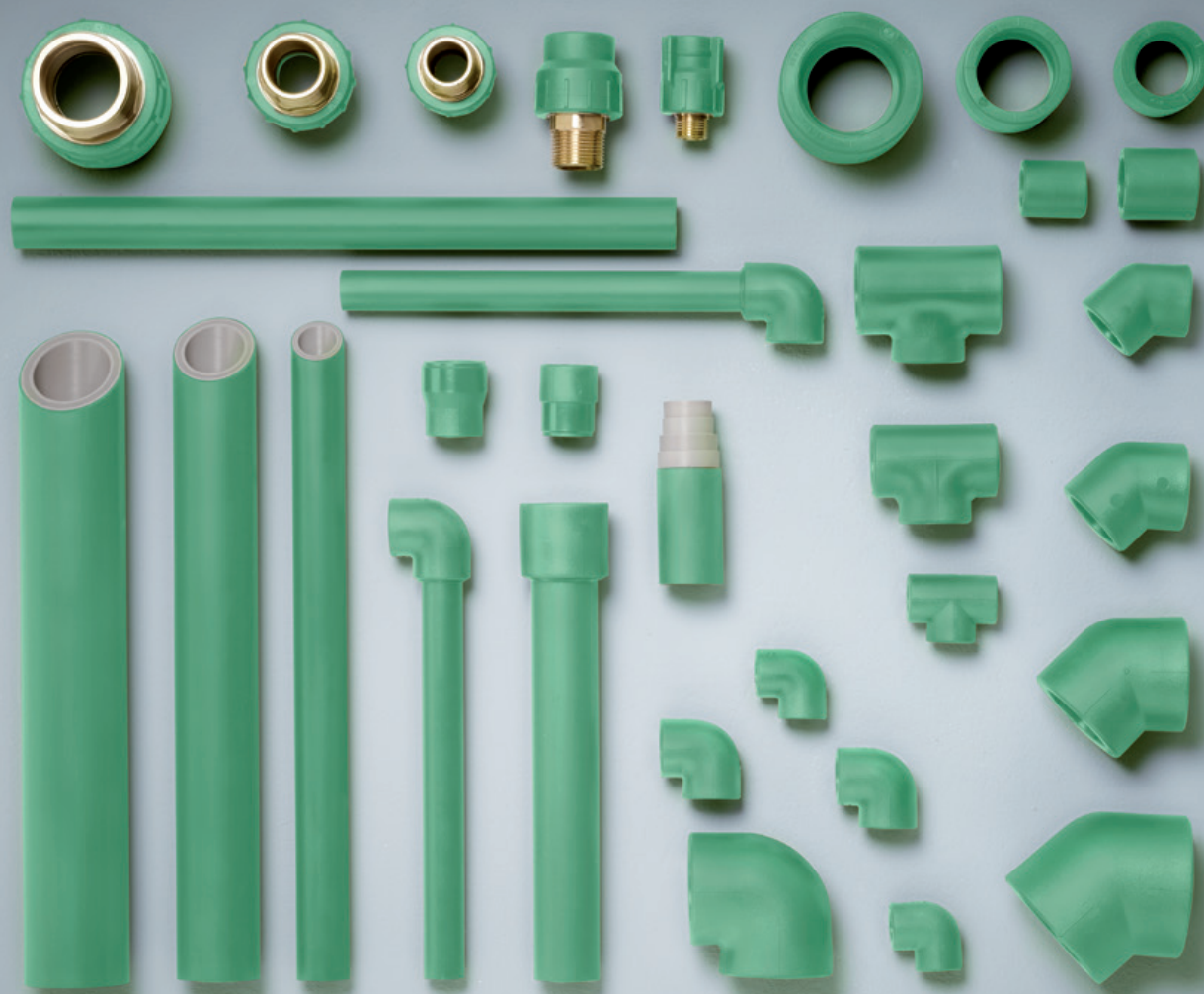
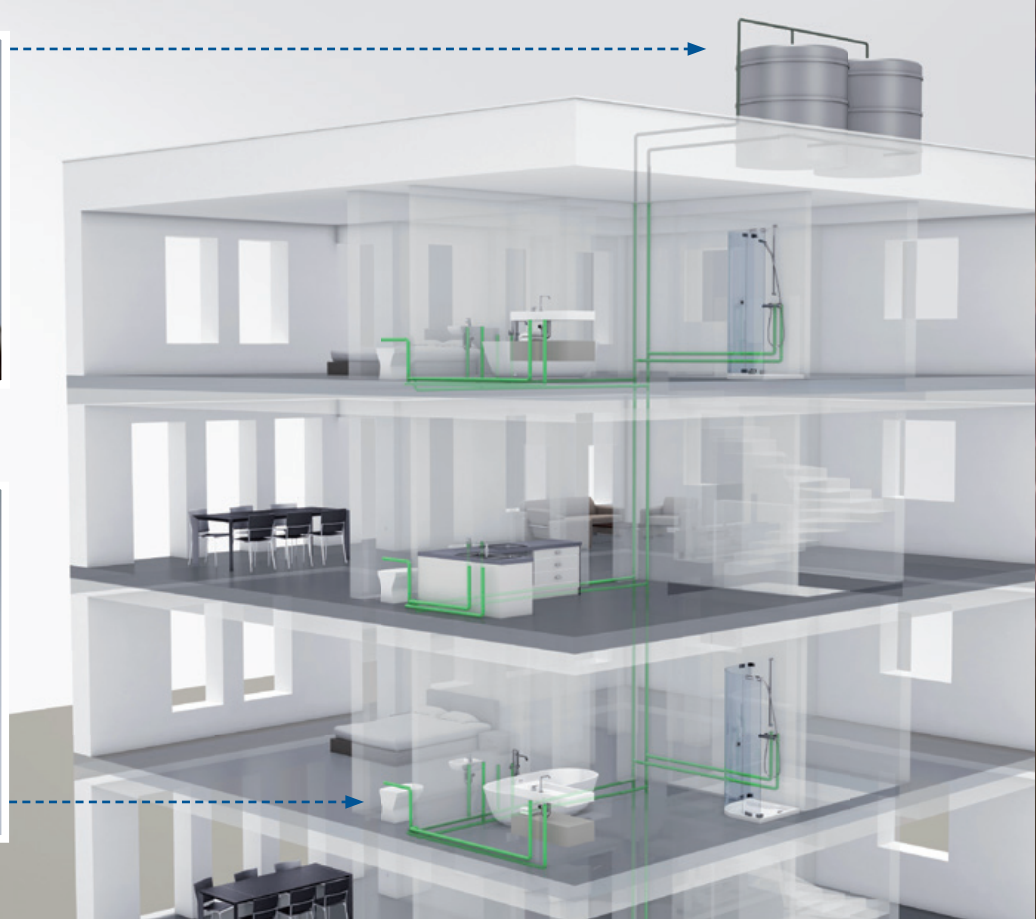


POLO-ECOSAN

PP-R WATER PIPING SYSTEM



PURE
PROGRESS / **poloplast**



A SAFE AND RELIABLE CHOICE FOR DRINKING WATER SYSTEMS

The reliable, safe and corrosion-free transportation of water has been a core POLOPLAST competence for over 30 years. The high-quality product line POLO-ECOSAN encompassing a broad portfolio of pipes, moulded parts and fittings covers all types of applications relevant to building installation, from the main pipe to the last tapping point and is regarded as synonymous with quality and innovation in more than 20 countries across the globe. Thus, POLOPLAST offers its customers perfectly coordinated solutions from a single source.

ADVANTAGES

- outstanding long-term resistance
- corrosion-free
- safe and homogeneous connections
- simple and fast assembly
- excellent chemical resistance
- superior heat- and sound-insulating properties
- suitable for very strict hygiene requirements

PURE RELIABILITY

The POLO-ECOSAN system ensures the provision of a hygienic and corrosion-free drinking water installation. Smooth interior pipe surfaces prevent deposits and guarantee consistent comfort while allowing full flow. Thanks to the particularly high chemical resistance of the PP-R material, POLO-ECOSAN is not only perfectly suitable for numerous water qualities but also for heating and cooling technology, compressed air technology, and for use in industry.



THE PIPE SYSTEM IN OPERATION



A few simple steps for a perfect connection.

Heating elements ensure a fast and lasting connection. Homogeneous connections can be established using socket welding (DN 20–125 mm), butt welding (DN 160–250 mm) or electric socket welding (DN 20–250) techniques.

The superior quality of pipes and moulded parts as well as the straightforward processing steps allow for a safe installation. In order to meet individual customer needs, the pipes are available in various pressure ratings, with a single-layer or multi-layer design. This allows you to find the perfect POLO-ECOSAN solution for every type of application.

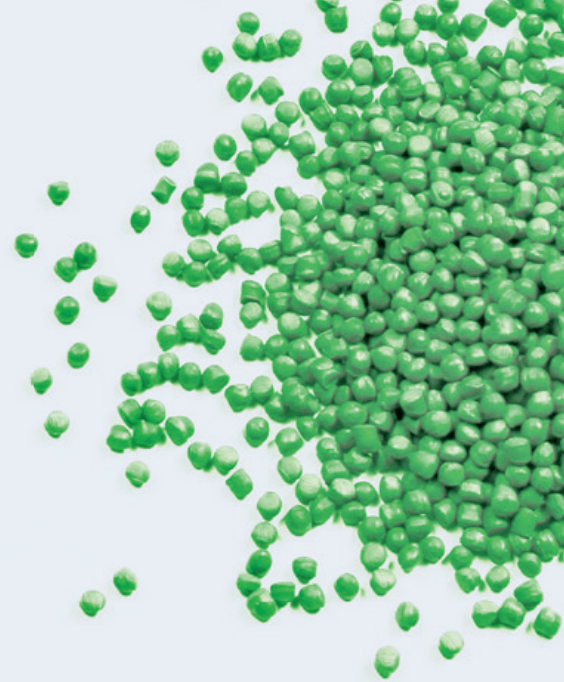


We are pleased to provide advice for all of your projects and queries, and will be happy to offer the ideal POLO-ECOSAN solution. The satisfaction of your customers leads to your satisfaction as well as ours.

TOP MATERIAL FOR TOP QUALITY

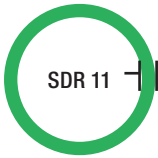

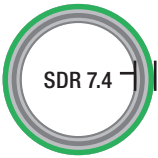

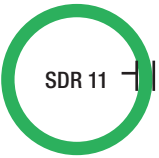

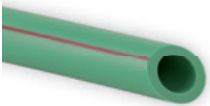



All pipes and moulded parts belonging to the POLO-ECOSAN system are made from superior quality raw materials.

Polypropylene Random is a thermoplastic synthetic material endowed with properties which make it ideally suitable for various types of application in the context of building installations. Equipped with a special stabilisation package, the material offers protection against oxidation and high temperatures.



SUMMARY OF THE RANGE

The POLO-ECOSAN drinking water system guarantees a reliable, long-lasting and trouble-free supply of water. The thickness of the pipe walls, the material, and the temperature range are all critical factors, which have a decisive impact on the pressure resistance of a plastic pipe system and its service life.

| | Single Layer | | Multi Layer | | |
|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | PP-R | | ML5 series | ML3 series | |
| | PP-R | | fiber reinforced PP-R and PP-RCT | | |
| |  |  |  |  |  |
| |  |  |  |  UV-resistant |  |
| da | | | | | |
| 20 | ● | ● | ● | ● | |
| 25 | ● | ● | ● | ● | |
| 32 | ● | ● | ● | ● | |
| 40 | ● | ● | ● | ● | |
| 50 | ● | ● | ● | ● | |
| 63 | ● | ● | ● | ● | |
| 75 | ● | ● | ● | | |
| 90 | ● | ● | ● | | |
| 110 | ● | ● | ● | | |
| 125 | | | | | ● |
| 160 | | | | | ● |
| 200 | | | | | ● |
| 250 | | | | | ● |
| Thermal Expansion factor | 0.15 mm/mK | 0.15 mm/mK | 0.038 mm/mK | 0.038 mm/mK | 0.05 mm/mK |
| Max. Pressure in bar at 70°C | 5.1 | 10.2 | 11.2 | 11.2 | 8.1 |

Admissible working pressure values with SF 1.25

Due to the material properties these products are suitable for: ● cold water ● hot water

**HIGH QUALITY
MADE IN
GERMANY**



REFERENCES



**AI HABTOOR City Hotel
Dubai, United Arab Emirates**

Construction period:
2014–2016

Once completed, this project will result in one of the largest integrated hotel complexes in the Near East. The plans envisage three 5-star hotels with approximately 1,600 rooms in an area covering 350,000 sm. POLOPLAST product quality was decisive for the selection of POLO-ECOSAN.



**Caprice Gold Hotel
Istanbul, Turkey**

Construction period:
2014–2015

This unique hotel project comprises 1,300 guest rooms, four lobbies, five parking levels, seven spa centres, and ten conference rooms. Due to the high quality demands, POLO-ECOSAN by POLOPLAST is the ideal solution for this architectural complex.



**Sheikh Jaber Al Ahmad
Cultural Centre
Kuwait**

Construction period:
2015–2016

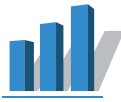
This state-of-the-art structure consists of a total of four buildings covering an area of 214,000 sm. The quality and ease of laying were crucial for the choice of the POLO-ECOSAN pipe system made by POLOPLAST.



**Proscenium
Makati City, Philippines**

Construction period:
2015–2018

A luxurious neighbourhood amidst the Rockwell Center is the development site of the Proscenium – five extraordinary residential buildings including a theatre that can hold 600 guests. To ensure perfect water supply, POLOPLAST will deliver the perfect solution with its high-quality POLO-ECOSAN system.



POLOPLAST. A company of **Wintersdorfer**

© Copyright. All contents and graphical representations are protected by copyright and, even in altered form, they may only be reproduced, published or distributed following the express written approval of POLOPLAST.

01/11.16/4.000_EN_wanted.co.at

Please refer to our technical instruction manuals.

PURE
PROGRESS / **poloplast**

POLOPLAST GmbH & Co KG
Poloplast-Straße 1
4060 Leonding . Austria
T +43 (0) 732 . 38 86.0 . F +43 (0) 732 . 38 86.9

office@poloplast.com
www.poloplast.com