

- PROFIX - Rain Water Pipe System

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Field of application

For the transport of surface and rain water FRANK offers the PROFIX system with plug-in socket made of a newly developed polypropylene. As this polypropylene is a flexible material, by a defined deformation PROFIX pipes and shafts can take up loads without breaking and the pipes will always be leak-proof.



The integrated secure and tested double sealing prevents the infiltration of unwanted external water and the leakage into the ground even under extreme load.

High stability

The pipe owes its high long time ring stiffness partly to the polypropylene and partly to a special profile construction. The profile has a minimum wall thickness, which lends the pipe the necessary stability to stand loads occurring during transport, storage, installation and operation. A variety of profile types allows a dimensioning to all possible load cases.

Pipe installation under extreme conditions

Due to its excellent impact strengths, the PROFIX rain water pipe system can be laid without problem in any weather condition. Even at low temperatures this robust pipe can bear impact loadings, e.g. caused by improper handling. Thus PROFIX pipes can also be installed at temperatures below 0°C.

ND [mm]	OD [mm]	weight [kg/m]	ring stiffness S_{R24} [kN/m ²]
600	680	16	> 12,0
700	780	20	> 12,0
800	880	26	> 12,0
900	980	30	> 12,0
1000	1092	35	> 12,0
1100	1192	40	> 12,0
1200	1296	50	> 12,0

Durable and maintenance friendly

The black outside surface of the pipe guarantees a permanent UV light resistance and the co-extruded blue inner surface facilitates camera inspection. Furthermore PROFIX pipes stand out by a smooth anti adhesive inner surface, which ensures a high hydraulic capacity. Cleaning intervals can therefore be prolonged considerably.

PROFIX - The complete system. Start up for the future !

The PROFIX system includes all components necessary for a non-pressure pipeline. It can be installed at all sites. External installation support is not necessary. The subsequent installation of house connections has also been provided for in the PROFIX system.

The light pipe weight and the easy plug-in connection allow a quick and economic installation also in deep trenches. Best handling will be achieved by standard lengths of 3 m, 4.5 m and 6 m. The PROFIX system will be



complemented by a wide range of fittings, e.g. branches, bends, slope drainage fittings as well as shafts and many more.

Advantages

- Easy to install, economic and environment friendly
- Robust and durable
- Break resistant, because made of flexible PP
- Leak-proof (verified acc. to DIN 4060 and passed distinctly)
- Secure double sealing
- Stable and of low weight due to profiled pipe wall acc. to DIN 16961
- Resistant against
 - aggressive sewage
 - corrosion
 - deposits thanks to anti adhesive surface
- Extremely abrasion-proof
- Hydraulically extremely efficient due to smooth inner surface ($k < 0.05 \text{ mm}$)
- Impact and UV resistant
- Inspection friendly because of bright inner surface



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