

GEROfit® REX fitting system



GEROfit® REX

The danger of contamination of potable water by permeation increases in contaminated soils and zones like industrial areas, landfills, graveyards or flood areas. GEROfit® REX solves this problem permanently. The barrier between the core pressure pipe and the protective jacket protects the media and the environment.

GEROfit® REX system solution

A barrier pipe system is only as strong as it's weakest part. To ensure the same high quality from GEROfit® REX pipes in the whole pipeline system, Gerodur offers now also a wide range of pre-manufactured, impermeable fittings. This saves working time on the construction site for post-factory coating and ensures a steady reliable protection against chemical influences from outside.

Dimensions

75 mm - 630 mm

Fitting program

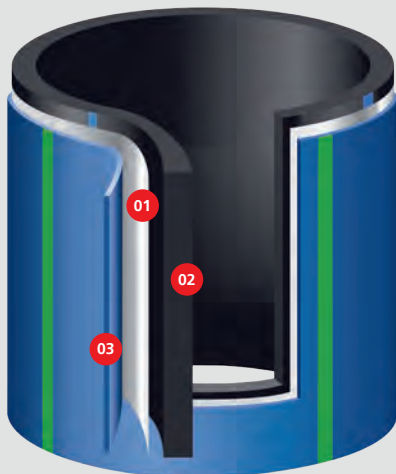
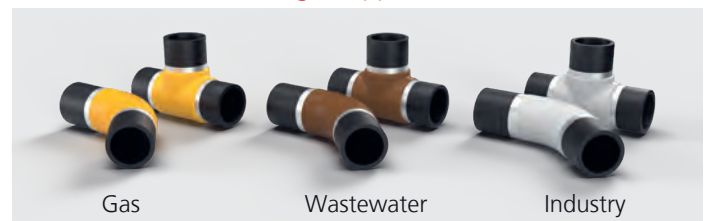
- Seamless bends 11° - 90°
- Stub ends - long and short
- Tee's - long and short, reduced
- Branches (metallic)
- Reducers - long and short, concentric and eccentric

SDR classes

7.4 | 9 | 11 | 17

Further dimensions and SDR classes on request.

Further versions according to application



Impermeable GEROfit® REX thanks to intelligent film barrier.

- 01 The bi-axially oriented polymer-matrix film with an embedded metallic permeation barrier forms a flexible and resistant barricade.
- 02 The inner, media-bearing core pressure pipe consists of stress crack-resistant PE 100-RC.
- 03 The additive protective jacket made of modified polyolefin compound surrounds the pipe system. It reliably ensures permanent protection of the REX barrier and enables challenging, modern pipe laying techniques.



BRL K17101 / Class II & III certified

GEROfit® REX-Tape



Professional addition to the permeation barrier at connection points of **GEROfit® REX** pressure pipe systems for the drinking water supply

- 01 Use when laying in contaminated soils according to the manufacturer's approval.
- 02 Subsequent wrapping of butt welded joints or electro-fusion fittings on the construction site.
- 03 Factory-made wrapping of bends and other fittings made of PE 100 or PE 100-RC.

Product features

- Permeation-tight to protect against harmful substances
- Guarantee of high drinking water quality
- Increased tensile strength and elongation at break

Form of delivery

- Single tape system, rolls of 50 m in length
- Tape width 50 mm
- Color silver gray

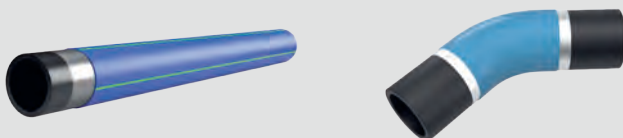
Processing instructions

- Cold processable and self-adhesive
- Number of layers depending on the application
- Width of the jacket cut back depending on the dimension
- Use with wrapping width > 50 mm with at least 50 % overlap
- Apply without blisters and wrinkles
- Subsequent wrapping between both sides protective jacket ends
- Laying with/without sand bed in with GEROfit® sealing tape
- Trenchless pipe laying in with GEROfit® sealing tape and GEROfit® fabric tape

The **GEROfit® REX** system consists of:

GEROfit® REX barrier pipe

PE 100-RC core pipe with an flexible and resistant metallic permeation barrier (barrier pipe) and an additive protective jacket - DVGW certified for potable water supply, KIWA certified for installation in contaminated soils, DIN CERTCO certified for the alternative/trenchless installation methods (PAS 1075).



GEROfit® REX range of molded parts

Bends, T-pieces, reductions, V-collars etc. made of PE 100-RC with an intelligent metal permeation barrier and an additional protective jacket.

GEROfit® REX tapping valve

Metal tapping valve for simple and safe installation on the permeation barrier layer, no costly additional post-wrapping required; direct connection of the impermeable GEROfit® REX house connection pipe by plug-in connection.



GEROfit® REX accessories

Post-wrapping with tested impermeable REX-Tape and protective bandages for mechanical surface protection at e.g. butt-weld joints.