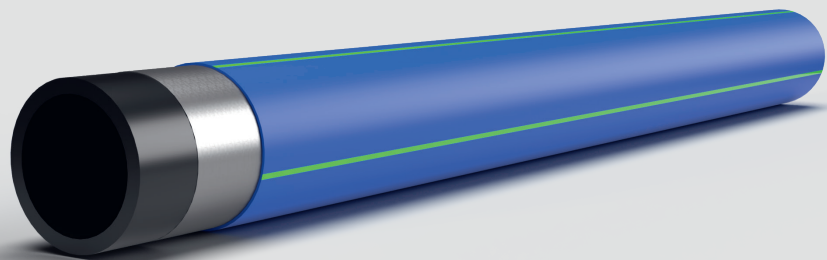


# GEROfit® REX Barrier pipe

Permeation-tight pipe system for clean potable water

GEROfit® REX combines the versatile and installation-friendly properties of a polyethylene pipe with the high protection potential of metallic layers against the permeation of substances hazardous to potable water. They are ideal for laying with increased demands on the pipe material and can be used for alternative laying technologies such as relining and pipe bursting or horizontal directional drilling.

GEROfit® REX drinking water pipes can be laid through contaminated or contamination-prone layers of soil and contamination with substances hazardous to drinking water can be ruled out in the long term.



The media-carrying core pipe made of stress crack growth resistant PE100-RC ensures the standardized operation as a pressure pipe with a service life of at least 100 years.

The additively applied protective jacket made of a highly scratch resistant polyolefin compound ensures complex resistance to the high mechanical stresses during installation, using alternative technologies and protects the highly flexible, multi-layer GEROfit® REX permeation barrier.

## Features

- Monitored and certified product quality (DIN CERTCO, DVGW CERT, DIN EN ISO 9001)
- GEROfit® REX media pressure pipe made of stress crack growth resistant PE100-RC
- Type 3 system pipe in accordance with PAS 1075 with additive protective jacket made of modified polyolefin compound
- Monitored and proven permeation tightness with KIWA certificate according to BRL-K 17101
- DIN EN 12201, DIN EN 1555

## Delivery forms

- Straight lengths
- Coils
- Reels

## Pipeline connections by means of

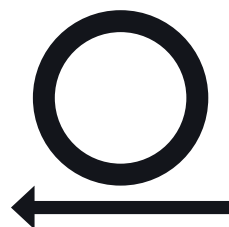
- Butt welding and electrofusion according to DVS
- All other standard PE pipe connections possible (press, push-fit, clamp or flange connections)
- Comprehensive range of accessories for simple reduced, system-compliant connections

## Dimensions

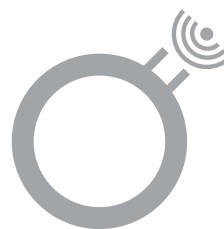
- DN/OD 32mm to 630mm, further on request
- SDR 11 / 17, further on request
- Up to DN/OD 63mm only SDR 11 according to DVGW



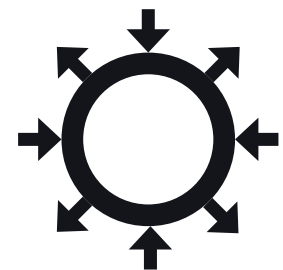
point load resistant



scratch and notch resistant

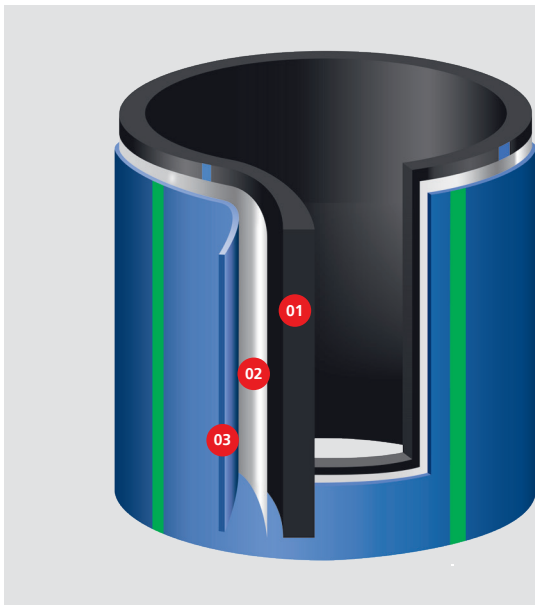


permanently locatable



diffusion-proof

## Pipe construction



Permeation-tight with GEROfit® REX thanks to barrier film.

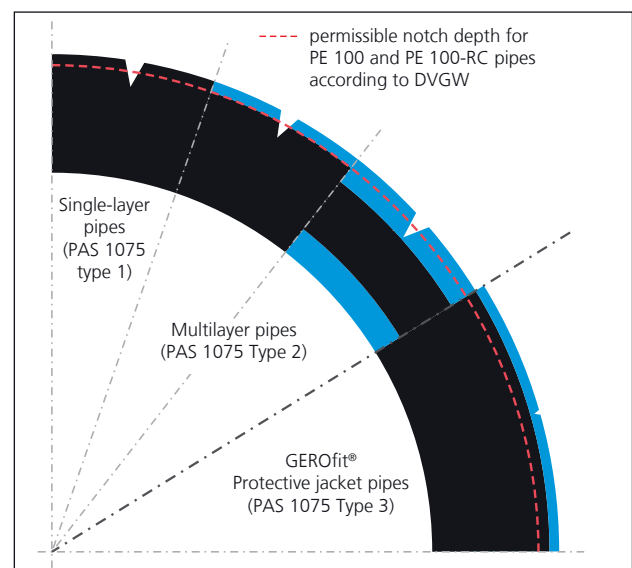
- 01 Inner, media-carrying core pressure pipe made of stress crack growth resistant PE100-RC and dimensions according to application-specific standards and regulations
- 02 Bi-axially oriented polymer matrix film with embedded metallic diffusion barrier
- 03 Dimensionally additive, highly scratch-resistant protective jacket made of modified polyolefin compound for comprehensive protection against notches and scratches in laying methods with high stresses

## Pipe characteristics

GEROfit® REX system pipes consist of a stress crack growth resistant core pipe made of PE100-RC and an outer protective jacket in accordance with PAS 1075. These outstanding properties are complemented by the integration of a highly flexible barrier layer, which prevents the permeation of substances hazardous to potable water into the pipe.

This bi-axially oriented polymer matrix film with an embedded, metallic diffusion barrier can tolerate intensive deformations as a result of long-term point loads without losing the impermeable bond between the individual system components.

With the implementation of this resilient barrier, GEROfit® REX pipes are ideally suited for installation using alternative technologies (in particular for pipe bursting in accordance with DVGW GW 323).



## Further GEROfit® REX system components



GEROfit® REX fitting program

GEROfit® REX tapping valve

GEROfit® REX accessories



All information, accessories and processing instructions can be found on our website.

