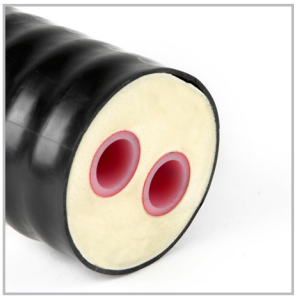
REHAU®
Unlimited Polymer Solutions

PRE-INSULATED PEXa PIPING

DELIVERING MAXIMUM ENERGY TO SUSTAINABLE APPLICATIONS

ENGINEERED FOR EFFICIENCY

PRE-INSULATED PEXa PIPE FOR A FLEXIBLE, LIGHTER PIPING SYTEM



A flexible alternative to rigid piping systems, INSULPEX offers ease of installation, combined with the long-term performance of PEXa pipe.

INSULPEX is specially designed for the efficient transfer of hot or chilled water through buried pipelines.

INSULPEX consists of PEXa O_2 Barrier pipe surrounded by a solid layer of CFC-free polyurethane foam insulation. The smooth interior wall of our PEXa pipe provides superior flow and resists mineral build-up. INSULPEX is available in one- and two-pipe configurations. The two-pipe configuration combines supply and return pipes, streamlining the installation process.

Connections are made with the SDR11 compression-sleeve system or FUSAPEX™ fitting system, providing reliable joints that allow for immediate pressure testing, and are safe to bury.

INSULPEX is lighter than rigid piping systems and is available in continuous coils of various lengths that reduce the need for joints in the pipeline– features that greatly reduce the costs and time associated with installation. The continuous single layer of insulation minimizes heat loss and water permeability, while the outer LDPE jacket offers protection from abrasion.

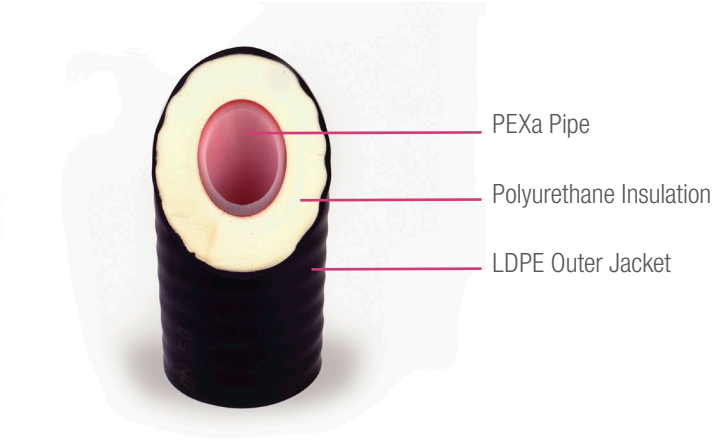
INSULPEX is ideal for applications including:
- District heating
- Energy transfer
- Snow and ice melting
- Chilled water
- Process piping
- Hydronic piping
- Geothermal
- Outdoor wood furnace

Ideal for trench applications. INSULPEX bends easily to avoid obstacles, simplifying installation.

INSULPEX Pipe

INSULPEX consists of a corrugated LDPE outer jacket, closed-cell polyurethane foam insulation and PEXa carrier pipe. The corrugated outer jacket of the INSULPEX system "locks" firmly into the backfill while the insulation is bonded to both the jacket and the PEXa pipe, limiting thermal expansion of the PEXa pipe.

INSULPEX is available in one- and two-pipe configurations up to 160 mm diameters. Pipes are warranted for 25 years when operating conditions are at or below 180°F (82.2°C). Operating temperature and pressure conditions must be designed for each specific project application. INSULPEX pipes are suitable for elevated temperature applications up to 200°F (93.3°C). Contact REHAU Engineering to verify your project conditions comply with the REHAU *PEXa Limited Warranty*.



Compressions-sleeve Fittings

The brass SDR11 compression-sleeve fitting system provides reliable connections. Fittings are assembled without the use of heat or chemicals. Couplings, elbows, tees, welding adapters, and threaded adapters are available for all PEXa carrier pipe sizes.

FUSAPEX Fittings

Our electrofusion fitting system, made of cross-linked polyethylene (PEX), is used for fast, simple and safe connection of PEX pipes in operating temperatures up to 200°F (93.3°C). Fittings are available as couplings, tees, elbows or transitions.

Insulation Kits

Our polymer shell kits make reliable insulation of tees, elbows and straight connectors considerably easier and quicker.

Tools

REHAU tools provide fast, easy, professional installations, and are required to assemble SDR11 compressions-sleeve fittings. Tools are made of quality materials and field-tested for long life and reliable performance. Tools are sold as complete kits, or as individual components. REHAU offers light-weight, mechanical tools for small diameter pipe and powerful, hydraulic tools for large diameter pipe. All of our tools are easy to use and can eas-ily reach into tight spaces.

Dual MPT and sweat transition adapters

FUSAPEX flange adapter

855.806 en 01.2017