



MUNICIPEX[®] PRE-INSULATED
PEXa WATER SERVICE LINE FOR EXTREME COLD CLIMATES

MUNICIPEX[®] PRE-INSULATED

FLEXIBILITY FOR WATER SERVICE LINE APPLICATIONS

MUNICIPEX Pre-insulated PEXa Water Service Line is specially designed for water distribution in extreme cold climates that require an extra level of protection from freezing, or when laying pipe below the frost line is not possible. MUNICIPEX Pre-insulated offers ease of installation, combined with the long-term performance of MUNICIPEX PEXa pipe.

MUNICIPEX Pre-insulated Water Service Line

MUNICIPEX Pre-insulated consists of REHAU MUNICIPEX PEXa carrier pipe surrounded by a solid layer of CFC-free polyurethane foam insulation and a corrugated LDPE outer casing. The outer casing "locks" the pipe firmly into the backfill while the insulation is bonded to both the outer casing and the MUNICIPEX carrier pipe, increasing durability and flexibility.

MUNICIPEX Pre-insulated is available in continuous coils of 100 ft (30.5 m) and 300 ft (94 m) reducing the number of joints needed for the pipeline as well as the cost and time associated with installation. MUNICIPEX Pre-insulated includes an integrated conduit to accommodate heat-trace cables.

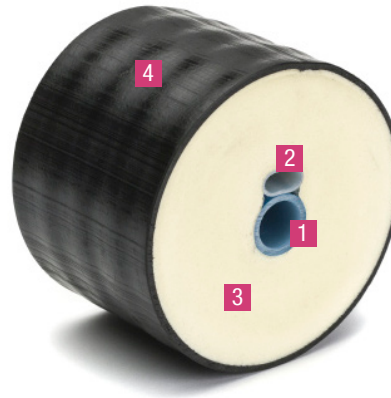
MUNICIPEX PEXa Carrier Pipe

MUNICIPEX crosslinked polyethylene (PEXa) carrier pipe is manufactured using the high-pressure method for crosslinking polyethylene pipe. This manufacturing process provides MUNICIPEX with enhanced benefits compared to other water service line pipes in the market, including:

- Increased flexibility
- Long-term toughness
- In-field kink repair
- Enhanced thermal memory
- Greater elongation to break
- Uniform crosslinking of entire wall thickness

The smooth interior wall of the MUNICIPEX carrier pipe provides superior flow and consistent water pressure, and resists mineral build-up and bacterial growth.

MUNICIPEX Pre-insulated is available with MUNICIPEX PEXa carrier pipe in 1 and 2 in. CTS.



- 1 MUNICIPEX (PEXa) Pipe
- 2 Conduit for Heat-trace
- 3 Polyurethane Insulation
- 4 LDPE Outer Case

MUNICIPEX Fitting Solutions

Produced to copper tube size OD, MUNICIPEX carrier pipe connects to standard, off-the-shelf, potable water fitting solutions such as AWWA C800 compression joint valves and fittings and ASTM F2080 compression-sleeve fittings. These fitting options not only make MUNICIPEX Pre-insulated pipe easy and convenient to install, but also provide reliable joints that allow for immediate pressure testing and are safe to bury.

MUNICIPEX is rated for continuous use at operating conditions up to 200 psi @ 73.4°F (1,380 kPa @ 23°C) using a 0.63 design factor.



MUNICIPEX Pre-insulated coils ease installation

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