



REHAU®

Unlimited Polymer Solutions



RAUTHERMEX

PRE-INSULATED PE-XA PIPE FOR LOCAL AND DISTRICT HEATING

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PRE-INSULATED PE-XA PIPE FOR LOCAL AND DISTRICT HEATING

In modern industrial and domestic buildings there is an increase in popularity for local and district heating. However, the ecological and economic potential can only be fully exploited with a pipe system that minimizes not only the operation costs, but also the installation and maintenance costs. The solution: RAUTHERMEX from REHAU.



RAUTHERMEX.

Available in single (diameter from 25 - 160mm Uno) or double (diameter from 25 - 63mm Duo), with a full range of fittings and accessories, RAUTHERMEX can be easily adapted to individual circumstances.

The pipeline – a high-performance composite system

High performance: the carrier pipes are made from PE-Xa which has been used in REHAU pipes for many years, offering:

- No corrosion
- Resistance to ageing and abrasion
- No encrustation, even after years of use
- Very high hydraulic performance, which allows smaller pipe diameters, e.g. compared to corrugated pipes
- Suitable for temperatures up to 95°C and pressure up to 6 bar, therefore ideal for modern, low-temperature systems

The insulation is provided by closed cell polyurethane foam, which provides:

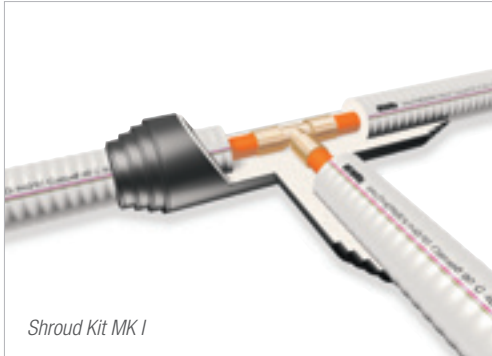
- Optimum heat insulation, remaining water-tight even if the outer jacket is damaged
- Longitudinally stable pipe composite – therefore no change in length of the pipes laid underground due to temperature fluctuations while in operation

The corrugation of the outer jacket allows tight bending radii at low bending forces. With coiled pipe lengths of up to 560m and individual cut lengths this allows for:

- Simplified design
- Flexible and efficient installation
- Fewer connection points

The REHAU Compression Sleeve – a superior jointing technique

The REHAU compression sleeve system for connecting PE-Xa pipes has proven itself a million times in installations of underfloor heating in both domestic and large commercial projects like aircraft hangars.



Shroud Kit MK I

The RAUTHERMEX compression sleeve

- Is quick and simple, offering low-cost installation
- Gives permanently secure and inseparable pipe joints
- Optimum hydraulic performance due to negligible cross-sectional contraction

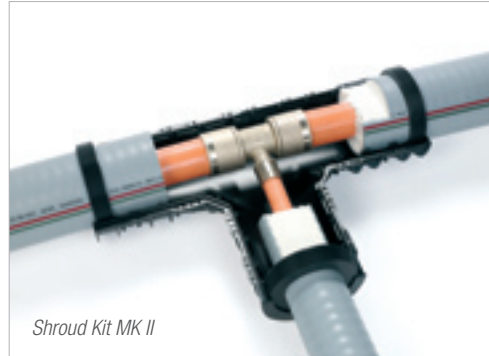
The RAUTHERMEX Universal Shroud Kit Mk II – a unique solution

It was previously common practice to use a number of individual components for insulation connections such as couplings and branches. Therefore, the installation of support channels was very costly.

The new universal shroud is designed to fit RAUTHERMEX pipes exactly, considerably simplifying the process making the installation process quicker, more simple and safer.

Quick

- Short installation time due to assembly not requiring any tooling
- No adjustment of the T-Shroud Kit Mk II to the pipe dimensions necessary
- Adjustment of the jacket pipe from 76 to 126mm due to flexible gasket concept
- Pre-fabricated gaskets, which only have to be slid on



Shroud Kit MK II

Simple

- Can be closed easily with tension buckles
- Guide groove to clearly position all construction components
- Clean, simple foaming-made possible by the new bottle dosing system: Combine foam, shake and fill
- Combined venting and sealing plug

Safe

- Sturdy parts suitable for building sites
- Heavy static load due to strong ribbing
- All-round safety against water entering even if pipes are distorted
- High-quality foam ensures heat insulation identical to RAUTHERMEX-pipe system

FURTHER REHAU PROGRAMMES

FOR UTILITIES



RAUGEO probe



RAUGEO collect



RAUGEO energy pile



AWADUKT PP SN10 sewer pipe system



REHAU underfloor heating system



RAUGEO geothermal heat extraction system

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