

SURFACE HEATING PIPES 5-LAYER PE-RT DESIGN

Pipe designed and manufactured to suit surface heating and cooling systems.
PE-RT/EVOH/PE-RT pipes are manufactured in accordance with ISO 21003-2.



Pipes designed for surface heating /cooling systems:

- Operating temperature up to 55°C*
- Operating pressure up to 3 bar*

* Max. operating arameters:
70°C, 6 bar

State-of-the-art PE-RT
(Type II) plastic piping material
delivers excellent design strength

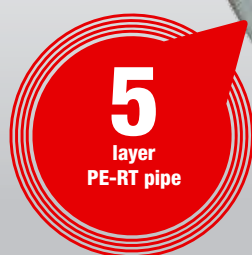
Efficient length – pipes
wound into coils of 300
and 500 LM

EVOH oxygen barrier safeguards
your heating / cooling system against
oxidation due to oxygen

Minimum hydraulic resistance
– absolute roughness at 1.5 µm

Excellent heat/cold transfer properties
– thermal conductivity = 0.4 W/(m.K)

10 years warranty



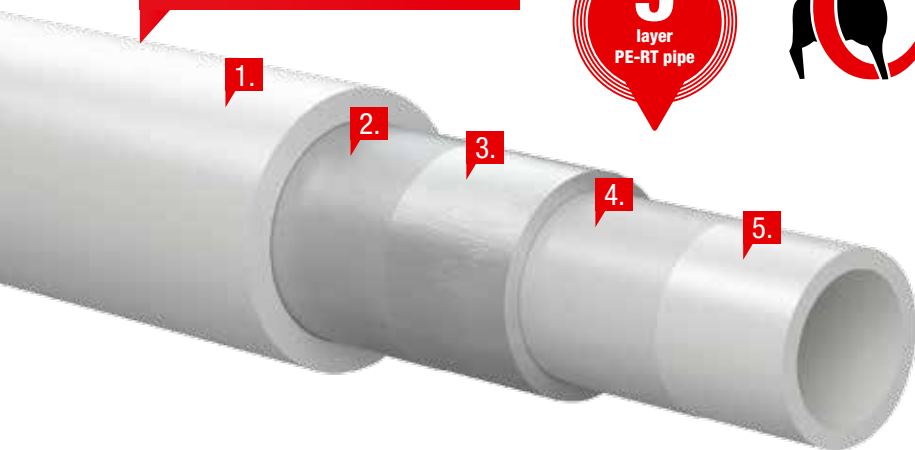
- Pipes made of the latest generation of polyethylene of raised temperature resistance (PE-RT Type II)
- Pipes Ø 16x2 based on multi-layer technology – 5-layer PE-RT design combined with EVOH anti-diffusion barrier
- Piping system compatible with all Capricorn fittings and accessories for surface heating/cooling applications
- 100% quality control



5-LAYER DESIGN



Capricorn



Design:

1. Outer PE-RT (Type II) protective layer
2. Adhesive and bonding layer
3. Inner anti-diffusion layer – EVOH
4. Adhesive and bonding layer
5. Inner PE-RT (Type II) protective layer

Capricorn Pipes – Effective and Economical Solution Ideal for Surface Heating/Cooling Systems

- The operating parameters of the pipes exceed the required standards for surface heating/cooling systems as a result of state-of-the-art and highly resistant materials such as PE-RT (Type II).
- Pipes wound in coils of 500 m (standard coil) allows free coil assembly. Pipes in coils of 300 m designed for small size heating/cooling projects.
- Standard and most popular size of $\varnothing 16 \times 2$ suitable for both underfloor and wall-mounted systems.
- Very low ratio of absolute roughness ensures minimum hydraulic resistance in the system.
- High thermal conductivity enables short response time and efficient heat delivery to individual areas.
- Piping system compatible with all Capricorn fittings and accessories for surface heating/cooling applications.

CAPRICORN FITTINGS AND ACCESSORIES FOR SURFACE HEATING/COOLING APPLICATIONS

PE-RT/EVOH/PE-RT PIPE

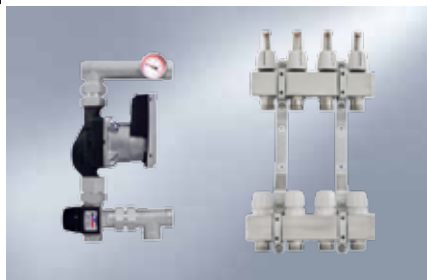
Packing: 16x2 in 500m coils
20x2 in 300m coils



6 coils in cardboard boxes

10 coils on a pallet

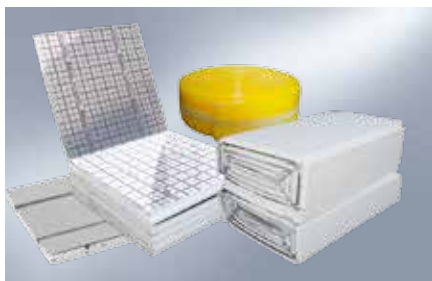
MANIFOLDS AND MIXING STATIONS



CABINETS FOR MANIFOLDS



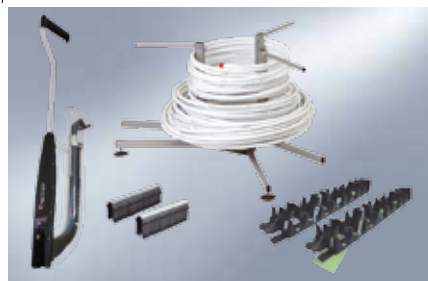
MOUNTING PLATES



ELECTRICAL CONTROL SYSTEM



MOUNTING COMPONENTS AND TOOLS



For more information, see:

<http://www.en.capricorn.pl>



Capricorn S.A., ul. Ciernie 11, 58-160 Świebodzice,
Sales Department, tel. +48 74 8503 554, tel. +48 74 8503 546

www.capricorn.pl
sales@capricorn.pl