

NovaTherm Multilayer Pipe is a premium multilayer composite pipe with an aluminium layer. This provides excellent strength, a 100% oxygen barrier, and it holds its shape when bent.

Technical:

- Material: PE-RT/ AL/ PE-RT
- Diameter: 16mm x 2mm
- Internal Diameter: 11.95mm \pm 0.1mm
- Minimum Bend Radius: 80mm
- Weight: 0.102kg/m
- Water Volume: 0.113L/min

Features:

- Holds its shape when bent for simple installation
- 5-layer 100% oxygen barrier
- Suitable for all 16mm fitting systems
- 50 year guarantee
- Marked every metre
- Coil lengths: 80m, 100m, 200m, 300m, 500m

Thermal Properties:

- Conductivity: 0.42W/mK
- Coefficient of Expansion: 0.025mm/mK



Operating pressure and temperature:

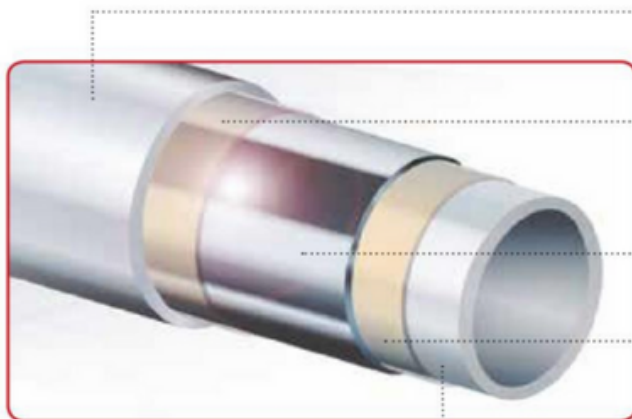
- Normal operating temperature to: 60°C
- Normal operating pressure to: 6 bar
- Minimum failure temperature: 95°C
- Minimum failure pressure: 10 bar

Accreditations:

- DVGWW542
- DIN EN ISO 21003

USE:

- Radiator connection
- Underfloor heating



Outer Layer - Polyethylene raised temperature (PE-RT) plastic coat: protects the aluminium core and allows the outer shell to be coloured without contaminating the water.

Adhesive Layer - Interface zone between the outer PE-RT layer and the aluminium core. Bonds the materials together and prevents shear slippage.

Aluminium Layer - Thin layer of overlap welded aluminium which forms a 100% oxygen barrier to protect against corrosion and allows the pipe to have the 'formstable' characteristic.

Adhesive Layer - Interface zone between the inner PE-RT layer and the aluminium core. Bonds the materials together and prevents shear slippage.

Inner Layer - Inner layer of clear PE-RT. Inert and does not affect the water in any way. Allows for a smooth wall surface to reduce pressure drops for water flow.