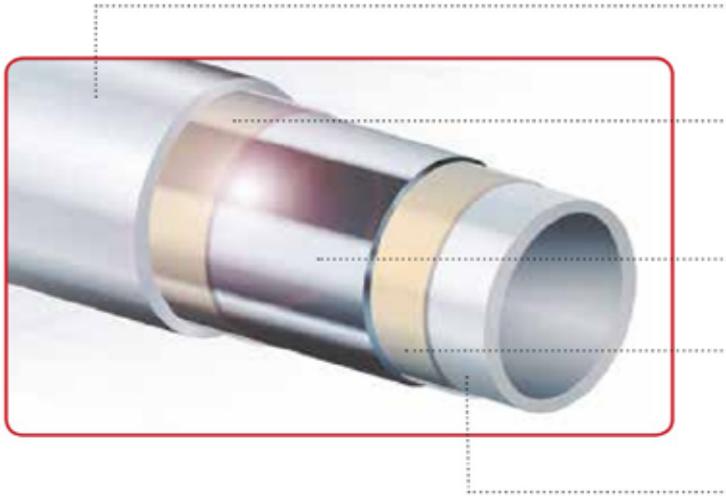


## PERT-AL-PERT Underfloor Heating 5 Layers Pipe



**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.

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 ± 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

Coil lengths:

50m, 80m, 100m, 200m, 300m, 500m

Suitable for all 16mm fitting systems

50 year design life

Marked every metre

### 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:

DVGW W542

DIN EN ISO 21003

### USE:

Drinking water installation

Radiator connection

Underfloor heating

