

Amber AL-PERT MLCP Pipe

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.

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.



Features and Benefits

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

Specification	
Material	PE-RT / AL / PE-RT
Diameter	16mm x 2mm
Internal Diameter	11.95mm ± 0.1mm
Minimum bend radius	80mm
Weight	0.10kg/m
Water volume	0.113L/min
Accreditations	DVGW W542, DIN EN ISO 21003
Normal operating temperature to	60°C
Normal operating pressure to	6 bar
Minimum failure temperature	95°C
Minimum failure pressure	10 bar