





PE-RT/AL/PE-RT Alpert Multilayer MLCP UFH PIPE



Product Features

Multilayer Composite pipe. Made from a 5 layer composite material, using PE-RT as the inner and outer layers coupled with a 0.2mm butt welded aluminium core. Maximum operating pressure 10 bar; maximum operating temperature 70°C. Available in sizes: 16 mm x 2mm 100m, 200m and 500m coils, 20mm x 2mm in 100m and 240m coils

Features and Benefits

-  PE-RT/AL/PE-RT pipe can run straight from a distribution point to an outlet point without the need to cut the pipe. This reduces the requirement for joints and reducing the possibility of leaks.
-  Installing PE-RT/AL/PE-RT pipe is less labour intensive than copper pipes and PVC pipe as there is no requirement to solder copper pipes or to use glue to attach PVC pipes to fittings
-  Lightweight, flexible and easy to bend and secure into place for UFH applications.
-  A wide range of complementary accessories to ensure trouble-free fitting, including Monoblocco pipe connectors, floor insulation, mounting rail, pipe staples, tacker guns and bend supports by Emmeti

PE-Xa Barrier Pipe

Specification

General	
Pipe range nominal dimensions	16mm x 2mm & 20mm x 2mm
Colour	Opaque white
Coil sizes	16mm x 2mm - 100m, 200m & 500m 20mm x 2mm - 100m & 240m
Operating temperature	70oC
Maximum temporary peak temperature	95oC
Maximum operating pressure	10 bar
Construction	5 layer: PE-RT - adhesive – aluminium – adhesive – PE-RT
Mechanical properties	
Composition	Inner pipe PE-RT; External pipe PE-RT
Pipe roughness	0.007 mm/m
Minimum bending radius	5 x OD
Water capacity	16mm – 0.113 l/m, 20mm – 0.201 l/m
Thermal properties	
Thermal conductivity	0.45 W/m K
Thermal expansion coefficient	0.026 mm/m K
Standards	
Manufacturing	EN ISO 21003 (application class 4)
Quality Assurance	ISO 9001

PE-Xa Barrier Pipe



Description	Coils	Code
16x2mm	100	28107002
16x2mm*	100	28107055
16x2mm	200	28107000
16x2mm	500	28107004

* pipe with random metre numbering, subject to availability