

# Amber 5 Layer Full Plastic Barrier Pipe

5-layer barrier pipe for connecting underfloor heating to boilers, manifolds and other elements of the system. It can support operating pressures up to 6 bar and temperatures up to 70°C. The pipe uses a protective construction to stop oxygen entering the system and causing corrosion.

It features an inner and outer layer of PE-RT and an intermediate layer of EVOH (Ethylene Vinyl-Alcohol) which conforms to DIN 16837, ISO 24033 and DIN 4726 and is sandwiched between two layers of adhesive.



## Benefits

- Easy to bend and secure into place for all heating applications
- Ensures oxygen cannot enter system and cause corrosion
- Available in 200m and 500m lengths
- With a range of accessories for fitting including monoblocco pipe connectors, floor insulation, mounting rail, pipe staples, tacker guns and bend supports

Technical Specification	
<b>General</b>	
Pipe range nominal dimensions:	16mm x 2mm
Colour	White
Coil sizes	200m, 500m
Maximum working temperature	70°C
Maximum operating pressure	6.0 bar
Construction	5 layer; PE-RT – EVOH (Ethylene Vinyl Alcohol) – PE-RT
<b>Mechanical Properties</b>	
Pipe roughness	7 µm
Bending radius	5 x D = 80mm
Water capacity	16mm - 0.1l/m
<b>Thermal Properties</b>	
Thermal conductivity	0,4W/mk
Thermal expansion coefficient	1.95 X 10 <sup>-4</sup> m/m °C
<b>Standards</b>	
Manufacturing	DIN 16837, ISO 24033, application class acc. ISO 10508 4(underfloor heating)
Oxygen barrier	DIN 4726
Quality assurances	ISO 9001: 2000

Stock Code	Product Name	Size (mm)	Coils
91F162WH	PE-RT Barrier Pipe	16 x 2	200
91F162WQ	PE-RT Barrier Pipe	16 x 2	500

