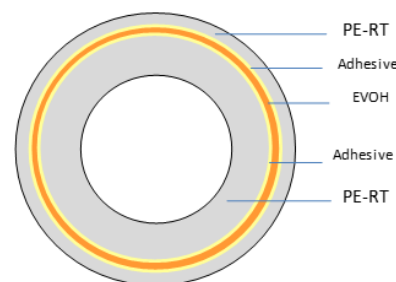


Gaia 5 Layer Full Plastic Barrier Pipe

Gaia 5 layer barrier pipe for heating applications only.

A 5 layer barrier pipe using a PE-RT inner and outer later and an EVOH intermediate layer conforming to DIN 16837, ISO 24033 and DIN 4726. Maximum operating pressure 6 bar; maximum operating temperature 70°C.

Using a worldwide accepted protective construction, the pipe has an inner PE-RT layer, an adhesive layer, an EVOH (Ethylene Vinyl-Alcohol) layer, another adhesive layer and an outer PE-RT layer (EVOH protective layer). Oxygen penetration in a heating system leads to corrosion of metallic parts and premature failure of system. The EVOH layer prevents permeation through the tubing.



Benefits:

- **Easy to bend and secure into place for all heating applications**
- **Suitable for use in general heating applications, maximum operating temperature 70°C, 6 bar maximum operating pressure**
- **Available in sizes:**
 - ✓ 16mm x 2mm - 200m
 - ✓ 16mm x 2mm - 500m
- **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**

Technical Specification	
General	
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
Mechanical Properties	
Pipe roughness:	7 µm
Bending radius:	5 x D = 80mm
Water capacity:	16mm - 0.11 l/m
Thermal Properties	
Thermal conductivity:	0,W/mk
Thermal expansion coefficient:	1.95 X 10-4 m/m °C
Standards	
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

