

Gaia 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 | |
|--------------------------------|--|
| 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 – 0.1l/m |
| Thermal Properties | |
| Thermal conductivity | 0,4W/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 |

