

5 LAYER PERT PIPE

RADICAL
UNDERFLOOR HEATING

COMPOSITION

1. Inner layer of PE-RT (Polyethylene of Raised Temperature).
2. Adhesive layer.
3. EVOH (Ethylene Vinyl-Alcohol Resin) which prevents ingress of oxygen, reducing corrosion.
4. Adhesive layer.
2. Outer layer of Pe-RT.

TECHNICAL DATA

Classes of application (UNI EN ISO 22391) class 4/5.

Quality Assurance: ISO9001 2015

Coil sizes: 100m, 240m, 400m

Pipe Roughness: 0.007mm

Water Capacity: 16mm - 0.113 l/m

Bending radius: $5 \times D = 80\text{mm}$

Thermal Expansion Coefficient: $1.8 \times 10^{-4} \text{m/m}^\circ\text{C}$

Coefficient of Linear Expansion: $0.026 \text{ mm/m}^\circ\text{K}$

Thermal conductivity: 0.4 W/m K

Application Class

1: 8 bar / 60°C

2: 8 bar / 80°C

3: 4 bar / 70°C

4: 4 bar / 95°C

Maximum working temperature: 95°C

Maximum operating pressure: 8 bar

