

## COMFORT PE-RT TUBE Ø 16-12 MULTILAYER

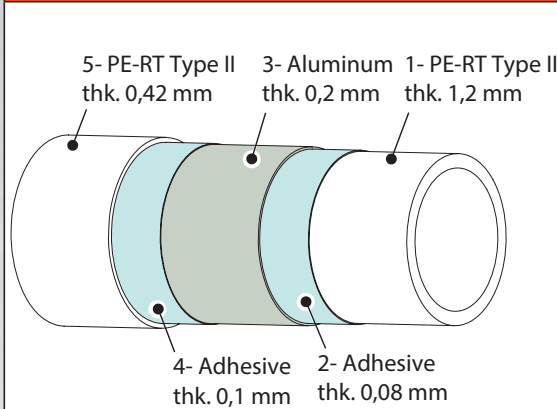


PE-RT Type II/Al/PE-RT Type II multilayer pipe Ø 16x2 mm according to UNI EN ISO 21003. SKZ certified. Suitable for use in radiant heating and cooling systems. Diameter 16 mm, thickness 2 mm, white color.



Diameter (mm)	Roll (m)	Code
16	300	1130016

### Stratigraphy



The Comfort PE-RT Type II/Al/PE-RT Type II multilayer pipe consists of five superimposed layers with internal and external layer in polyethylene with increased thermal resistance (PE-RT) and aluminum core (AL). The tube offers unparalleled suitability for underfloor heating by combining the best plastic and metal characteristics in a single product. The chemical resistance to building materials on the outer layer of the PE-RT allows the pipe to be incorporated into walls and floors without the need for protection, while the extremely smooth surface inside allows a drastic reduction in pressure drops. The aluminum core acts as a barrier and provides resistance to oxygen permeability in the system avoiding premature wear (corrosion) to the collector. The aluminum layer also makes the tube stable, eliminating the elastic return of the same, and consequently facilitating the installation phase.

### Application Area

Operating conditions according to: UNI EN ISO 21003	CLASS 2	Domestic hot water (70 °C)	T <sub>max</sub> 80 °C	Pressure 10 bar
	CLASS 4	Underfloor heating and radiators low temperature	T <sub>max</sub> 70 °C	Pressure 10 bar

d <sub>n</sub> (mm)	e <sub>n</sub> (mm)	Water content (l/m)
16	2	0.113

d<sub>n</sub> = outer diameter, e<sub>n</sub> = wall thickness

Feature	Value	Unit
Thickness aluminum layer	0.2	mm
Maximum ovalization	0.8	mm
Weight	110	g/m
Roughness factor	0.007	mm
Thermal conductivity	0.45	W / m · K
Thermal expansion coefficient	0.026	mm/m · °C
Permeability to oxygen	0.00	mg / l · h
Radius of curvature	up to 5 times the diameter	

