

/ Description

Multilayer Cross-linked Polyethylene PE-Xc/AL/PE-Xb pipe, with closed-cell expanded polyethylene white sheat with scratch-resistant external finishing manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems.

Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with **DVGW W542 standards**.

Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm.



/ Applications

- Floor heating systems
- Sanitary Installations
- Radiator connection

/ Products

Code	Size
88P190GH05006	16x2
88P190BQ05006	20x2
88P190GP05010	26x3
88P190GQ02510	32x3

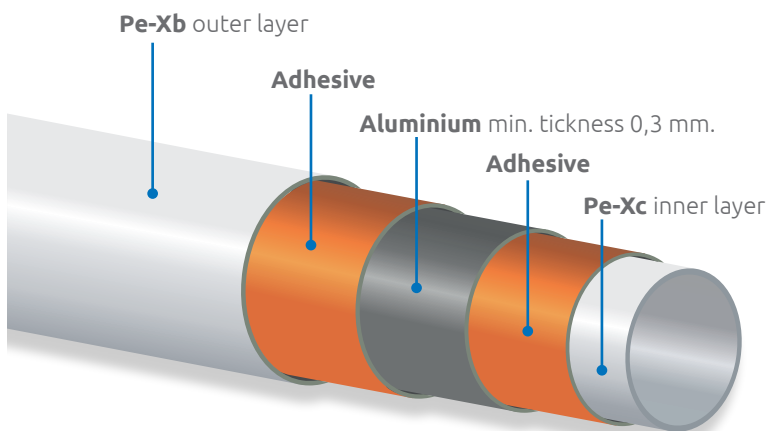
/ Technical features

Characteristics	Unit of measure	Values			
		16x2	20x2	26x3	32x3
Pipe dimension	mm.	16x2	20x2	26x3	32x3
Outer diameter	mm.	16	20	26	32
Wall thickness	mm.	2		3	
Internal diameter	mm.	12	16	20	26
Aluminium tickness	mm.	0,3	0,4	0,6	0,8
Pipe weight	g/m	125	166	298	393
Pipe weight with water	g/m	238	358	612	924
Heat conductivity	W/m • K	0,43			
Expansion coefficient	mm/m • K	0,024			
Surface roughness	µm	1,5			
Oxygen diffusion	mg/(m ² • d)	0			
Max. operating temperature	°C	95			
Max. operating pressure at 70°C	bar	10			
Short-time pressure loads at 95°C	bar	15			
Smallest bend radius	mm	≥ 5 • D			
Dynamic stability under normal conditions	mm	≥ 1,5 • D			

/ Volume of pipes in liters per meter

Size	Volume liters/meter
16x2	0,113
20x2	0,201
26x3	0,314
32x3	0,531

/ Layers



/ Sheath

Closed-cell polyethylene (PE-LD) foam insulated sheath	
Density:	da 35 a 45 kg/m ³
Operating temperature:	da -30°C a +95°C

Scratch-resistant film	
Min tickness (mm.):	0,20
Max tickness (mm.):	0,30

/ Quality control

PE-Xc / Al / PE-Xb multilayer pipes production is subjected to continuous quality controls that allow to ensure product manufacturing in compliance with current standards.

The main controls concern the following characteristics:

- **Dimensional** (external, internal diameter, thickness): during production and on the finished product according to the EN ISO 3126 standard.

/ Warnings

Store the pipe in its original packaging avoiding exposure to solar radiation, which could compromise the quality of the pipe. Avoid contact / impact with blunt materials that could damage the pipe, both during transport and during construction. The minimum degree of curvature during installation must not be less than 5 times the external diameter of the pipe. Do not use chemical solvents or similar when installing the pipe.