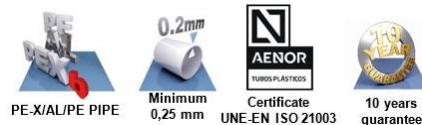




CONNECTIONS, SYSTEMS & REGULATION

MULTILAYER SYSTEM

PE-XB/AL/PE PIPE



BetaSkin-S is a complete range of multilayer pipe, with diameters from 16 mm to 50 mm. They are made of polyethylene with a lighter aluminium core (PEXb-Al-PE), to provide more resistance in high temperatures and pressures and greater flexibility in pipe handling.

The aluminium layer ensures oxygen tightness and dimensional stability properties of the pipe. Combining the qualities of the metal tube and plastic, the multilayer tube is easily deformable but maintains the given position, making it an optimal solution for all types of installations.

It is a flexible and easy-to-assemble piping system, so the time and fittings of the installation are reduced. Aging and durability tests (performed according to UNE-EN ISO 21003) guarantee a life of more than 50 years.

The tubes are manufactured and certified according to UNE-EN ISO 21003.

They are available in roll and bar.

Technical specifications

- Available from 16 mm to 50 mm.
- 5 layers: Cross-linked polyethylene/Adhesive/Aluminium/Adhesive/Polyethylene.
- Aluminium layer welded longitudinally. Overlapping aluminum layer for dimensions 40 and 50 mm.
- Minimum aluminum thickness 0.25 mm.

Advantages

- Resistant to temperature and pressure.
- Minimal linear dilation.
- Corrosion resistant.
- Shape memory.
- Wear resistance.
- Oxygen barrier.
- Lightweight and manageable.
- Noise reduction.



BETASKIN-S: 5 LAYERS

1	PE-Xb
2	Adhesive
3	Aluminium: 0.25mm (Ø16)
4	Adhesive
5	PE



CONNECTIONS, SYSTEMS & REGULATION

MULTILAYER SYSTEM

PE-XB/AL/PE PIPE



Certificate
UNE-EN ISO 21003



10 years
guarantee

Applications

- BetaSkin-S is suitable for all plumbing and heating applications.
- Pipes can be used in new installations as well as for renovation.
- It can be installed recessed or in sight.
- System certified according to UNE-EN ISO 21003 in combination with MultiStandard and MultiStandard Plus accessories.

Application	Operating temperature	Maximum Service pressure
Sanitary water	-10 °C to +95 °C	10 bar at 20°C 6 bar at 95°C
Heating and cooling		
Rainwater		

Pipe dimensions

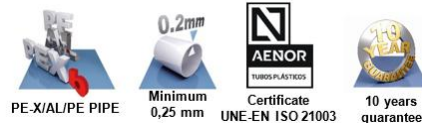
Technical properties	Value							
Pipe diameter (mm)	16	18	20	25	26	32	40	50
Inner diameter (mm)	12.0	14.0	16.0	20.0	20.0	26.0	32.0	41.0
Wall thickness (mm)	2.0	2.0	2.0	2.5	3.0	3.0	4.0	4.5
Aluminum thickness (mm)	0.25	0.3	0.3	0.35	0.35	0.5	0.4	0.5
Minimum manual curvature radius External bending spring (mm)	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	-	-	-
Minimum manual curvature radius Intern bending spring (mm)	≥ 3 x D	≥ 3 x D	≥ 3 x D	≥ 3 x D	≥ 5 x D	-	-	-
Weight (g/m)	110	125	147	230	266	366	500	750
Water volume (l/m)	0.113	0.154	0.21	0.314	0.314	0.53	0.90	1.42



CONNECTIONS, SYSTEMS & REGULATION

MULTILAYER SYSTEM

PE-XB/AL/PE PIPE



Boxed rolls



Code	Ø	Roll (m)	Pallet (m)
F65200	16 x 2.0	100	900
F65202	20 x 2.0	100	600
F65203	25 x 2.5	50	250
F65204	32 x 3.0	50	250

Bars on cylinders



Code	Ø	Strip (m)	Number of cylinder strips	Cylinder (m)
F65571	16 x 2.0	3	50	150
F65572	20 x 2.0	3	35	105
F65573	25 x 2.5	3	18	54
F65574	32 x 3.0	3	12	36
F65575	40 x 4.0	3	5	15
F65576	50 x 4.5	3	5	15

Safety Warnings

- Do not bend the pipe sharply. Forcing the bending radius can damage the inner layers and affect its performance.
- Do not cut with incorrect tools. Only use pipe cutters specifically designed for multilayer pipes; a bad cut can cause leaks.
- Do not install it if the pipe has bursts, dents, or deformities. You can use a calibration and reaming tool if necessary.
- Do not drag the pipe across the floor or hit it during handling. This can cause invisible damage that compromises its integrity.
- Do not expose the pipe to direct sunlight or extreme heat sources. Prolonged exposure can deform the material.
- Do not use incompatible fittings. Ensure that connections are specific for multilayer pipes (compression, pressing, etc.).
- Do not exceed the indicated nominal pressure. The system must always operate within the pressure range specified by the manufacturer to avoid damage or failure.
- Do not install the pipe under tension. It must be positioned without stress or stretching between fixings.
- Do not leave sections hanging or unsupported. Use suitable clamps or fasteners to prevent displacement or deformation.
- Do not store incorrectly. Store the pipe in a dry place, protected from the sun, and without any weight on top.
- After installation, dispose of the packaging in the appropriate containers according to your local regulations.