

FLEXBIT-HD SINGLE-BAND



DESCRIPTION:

It is a self-adhesive band made of an elastomere compound – bitumen together with an high density polyethylene protective film (HDPE) which is CROSS LAMINATED.

MAIN APPLICATIONS:

Thanks to its characteristics, this product is ideal as single covering for underground steel mains or pipes.

FLEXBIT-HD SINGLE-BAND has been created to impermeabilize, seal and join different kinds of materials used in the building sector as : concrete, metal, wood, glass.

FEATURES:

- Waterproof, self-adhesive and self-sealing
- Total barrier to radon gas and methane
- Resistant to contact with chemical agents
- Resistant to tearing and punctures
- Excellent dimensional stability
- Thickness controlled.

EXCELLENT PERFORMANCE:

This special rubber-bitumen compound grants an excellent adhesion to most of the materials used in the building sector. Both the longitudinal and the reel ends overlaps are always safe and avoid any possible drawing. The self-adhesive material is particularly suitable for normal joints, spigot joints, offtakes, Te, insulating panels, wood pieces or in the presence of inflammable materials.

RESISTANCE:

The cross-laminated high density polyethylene film has a strong mechanical resistance, as well as a high flexibility and adaptability, which is the reason why it can be used in different ways and for different purposes.

COLD APPLICATION:

Thanks to the adhesive property of this compound, it can be applied very easily, without using flames or a heat generator or primers when the surface is properly clean.



TECHNICAL DATA:**PROPERTIES****TEST METHOD****VALUES**

Total thickness	EN 1849-1	1,5 mm
Standard sizes in rolls of 10 m x 1,5 mm in the heights		50 – 75 – 100 (other sizes on request)
Tensile strength	EN 12311-1	Long. 215 N/50 mm Transv. 220 N/50mm
Film stretch	ASTM D 638	Long. 160 Transv. 110
Compound elasticity	ASTM D 638	1250 %
Tearing stretch	ASTM D 1004	Long. 353 N/mm ² Transv. 346 N/mm ²
Adhesion to concrete with primer	ASTM D 1000	2,08 N/mm
Self adhesion	ASTM D 1000	2,2 N/mm
Steel adhesion	ASTM D 1000	2,2 N/mm
Punching resistance	ASTM D 154	297 N 65 mm
Shock resistance	EN 12691	Met. A 500 mm Met. B 1000 mm
Tensile strength	ASTM D 638	38 N/mm
Ambient resistance	ASTM D 543	good
Steam permeability	ASTM E 96	0,06 g/m ² /24h
Stretch		140 %
Application temperature		+5 °C ÷ +45 °C
Working temperature		-40 °C ÷ +80 °C
Dielectric rigidity		> 30 KV
Resistivity (double layer)		2,3 x 10 ¹³ Ohms/cm

Storage at temperatures lower than 40 °C.

SAFETY:

The product is not hazardous for normal use and when used skilled persons.
Under certain conditions it is possible to cut or injure yourself. Keep out of reach of children.
For more information refer to the Material Safety Data Sheet.

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