

FLEXBIT-100



Anticorrosion tape bituminous - elastomer

DESCRIPTION:

Cold self-adhesive bituminous elastomer gaiter having a high modulus of elasticity, assembled and protected with a high density polyethylene film (HDPE).

MAIN APPLICATIONS:

It is an anticorrosive having a high dielectric and mechanic protection on underground steel mains or pipes. FLEXBIT – 100 , thanks to its high modulus of elasticity, is suitable for the first covering of joints, curves and irregular surfaces, too. Moreover, this product is suitable for the impermeabilization of different types of covering, vertical walls, foundation walls, ridge caps and flashings. Steam barrier inside refrigerating rooms and different chemical agents proofing.

FEATURES:

- Applicable to cold
- High dielectric strength
- Good deformability
- Good mechanical protection
- Auto-binding qualities
- Auto-healing (within certain limits)

TECHNICAL DATA:

- Thickness: 1,0 mm (UNI 8202).
- Standard sizes in rolls of 10 meters x 1,0 mm thick in widths from 50 to 75 - 100 mm (other size on request)
- Non-toxic
- Application temperature: +5 °C to +40 °C

Tests carried out at room temperature at 23 °C and relative humidity of 50 %.

TECHNICAL CHARACTERISTICS:

	TEST METHOD	VALUE	UNIT
Modulus of elasticity	ASTM D 882	150/220	Kg/mm ²
	Tensile strength (N for 50 mm)	BS 2782	
Ultimate elongation %	BS 2782	Long. 462	%
		Trasv. 406	%
Tear resistance (N)	MOAT 27	Long. 91,6	N
		Trasv. 89,6	N
Steam persistence (75 % relative humidity at 5 °C)	BS 3177	0,39	g/m ² /day
Steel adhesion	ASTM D 1000	> 250	N



Self adhesion	ASTM D 1000	2,20	N/mm
Shock resistance	ASTM G 13	> 5	Falls
Breakage stretch	ASTM D 638	38,0	N/mm
Elongation	ASTM D 638	> 140	%
Dielectric rigidity		> 20	KV
Insulation resistance		1011	Ohms/cm ²
Working temperature		-30 ÷ +80	°C
Thickness	Compound adhesive	0,87 ÷ 1,37	mm
	Support	0,10	mm

	Total	1,00	mm

Flammability classification:

B2 (DIN 4102)

Reaction to fire:

E (EN 11925 – 2; EN 13501 – 1)

The tape **FLEXBIT-100** is **compliant to DIN 30672** and **UNI EN 12068**.

STORAGE:

Quality and characteristics of the materials remain unaltered for a very long period of time, it is advisable to use within 12 months. For a correct storage we recommend a dry, covered and at temperature between +5 and 40 °C. Non affected by frost.

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