-15°C

EDILSTICK

WPBIT0381.a

DESCRIPTION

EDILSTICK is thermoadhesive waterproofing membrane, industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with thermoplastic elastomeric polymers of the latest generation, which gives to the compound superior technical characteristics and thermoadhesive caractheristic.
The composite reinforcement, made of nonwoven polyester in combination with fiberglass, conveys good mechanical characteristics, excellent dimensional stability and elastic performance.
Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendering of the mass at hot melt fluid state.
The upper surface is coated with TEXface® nonwoven polypropylene and selvedge protected by anti-adhesive release film for easy peel-and-stick overlaps. The lower surface is protected with anti-adhesive release film.

FIELD OF APPLICATION

EDILSTICK is a high performance membrane. It is particularly suitable as under layer in multi-layer waterproofing systems, with all membrane types; it is very appropriate where the flame is not allowed for safety reasons.
General roofing, discontinuos roofs, on or under floors or ground slabs, wall constructions, are valid examples of the design application of this product. It is not suitable for roof gardens. It can be applied onto every substrate (concrete, masonry, steel, tension structures, wood, cellular insulation panel, membrane, etc.).
The good mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions and all the situations where a barrier against water is required.

METHOD OF INSTALLATION

The high thermoadhesive properties of the waterproofing compound allow the application without flame, simply removing the lower anti-adhesive removable film. In particular situations, it could be applied with hot air generator.
The application of the membrane must be carried in good weather conditions, when the temperature is over 20°C, and after the substrate has been adequately cleaned and prepared.
Under certain conditions, at lower temperatures, to improuve adhesion to the substrate and in joints overlaps may be required moderate use of flame or hot air.

PACKING AND STORAGE

The product is packed as standing rolls on wooden pallets wrapped with thermoshrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected from heat and frost.

INTENDED USE OR USES

Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing

Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets

Flexible sheets for waterproofing. Underlays for discontinuous roofing

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TECHNICAL DATA

	Norm	Value		Unit	Tolerance
Thickness	EN1849-1:1999	2	3	(mm)	±0,2
Roll length	EN1848-1:1999	15	10	(m)	-1%
Roll width	EN1848-1:1999	1	1	(m)	-1%
Straightness	EN1848-1:1999	PASSED		-	20 mm / 10 m
Flexibility at low temperature (pliablility)	EN1109:2013	-15		(°C)	≤
Heat flow resistance	EN1110:2010	90		(°C)	≥
Watertightness	EN1928-B:2000	100		(kPa)	≥
Watertightness	EN1928-A W1:2000	PASSED		(kPa)	≥ 2 kPa/2h
Water vapour transmission properties	EN1931:2000	20.000		(μ)	-
		M.d.	C.d.		
Tensile properties: maximum tensile strength	EN12311-1:1999	500	350	(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1:1999	30	30	(%)	-15
Resistance to tearing (nail shank)	EN12310-1:1999	100	100	(N)	-30%
Dimensional stability	EN1107-1:1999	±0,3	±0,3	(%)	≤
Shear resistance of joints	EN12317-1:1999	500	350	(N/50 mm)	-20%
Resistance to static puncture	EN12730-A:2015	NPD			
Resistance to impact	EN12691-A:2006	NPD			
External fire performance (note 1)	EN1187:2012/EN13501-5:2005 +A1:2009	Froof		Class	-
Reaction to fire	EN11925-2:2010/EN13501-1:2007+A1:2009	E		Class	-
Root resistance	EN13948:2007	NPD			
Visible defects	EN1850-1:2001	PASSED		-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296:2000/EN1109:2013	-15		(°C)	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296:2000/EN1110:2010	NPD			
Durability: Watertightness after artificial ageing	EN1296:2000/EN1928-B:2000	PASSED		(kPa)	≥ 60
Durability: Watertightness against chemicals	EN1296:2000/EN1847:2009	NPD			
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength	EN1296:2000/EN12311-1:1999	NPD			
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation	EN1296:2000/EN12311-1:1999	NPD			
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness	EN1296:2000/EN1928-A:2000	W1		Class	-

NORMS AND CERTIFICATIONS EN13707; EN13969 - 1381 - 1381-CPR-415; EN13859-1 - 1211 - 51-14-0018


Substates or intermediate layers


Under layers for discontinuous roofing


Damp proof courses


Foundations

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