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NOVA-AL SBS

WPBIT0433.b

DESCRIPTION

NOVA-AL SBS is a elstomeric modified bitumen waterproofing membrane (SBS), industrially manufactured by impregnation of the fiberglass reinforcement with the waterproofing compound based on distilled bitumen modified with elastomeric polymers, which gives to the compound high technical characteristics. 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 a goffred natural Aluminium foil. The lower surface is coated with a thermo-fusibile polyolefin film.

FIELD OF APPLICATION

NOVA-Al SBS is particularly suitable as top layer with a significant aesthetic value and where it is necessary to reduce the maintenance operations to the minimum.

METHOD OF INSTALLATION

The thermoplastic properties of the waterproofing compound allow the application with torch-on system or hot air generator. In particular situations, it could be applied with appropriate sealants.

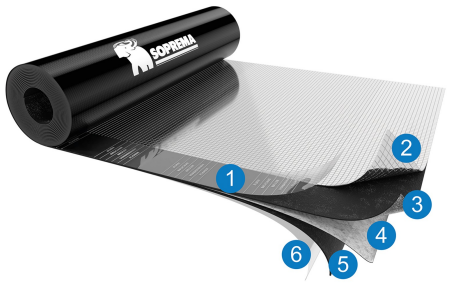
PACKING AND STORAGE

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, not exposed to the sun rays and at a temperature not below +5°C.
It is advisable to use the product within 2/3 months from delivery.

INTENDED USE OR USES

Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing

1. Selvedge
2. Aluminium foil
3. Waterproofing mass
4. Reinforcement
5. Waterproofing mass
6. Torch-off film



TECHNICAL DATA

	Norm	Value	Unit	Tolerance
Weight	EN1849-1	4	(kg/m2)	±10%
Roll length	EN1848-1	10	(m)	-1%
Roll width	EN1848-1	1	(m)	-1%
Straightness	EN1848-1	PASSED	-	20 mm / 10 m
Flexibility at low temperature (pliablility)	EN1109	-25	(°C)	≤
Heat flow resistance	EN1110	100	(°C)	≥
Watertightness	EN1928-B	60	(kPa)	≥
Water vapour transmission properties	EN1931	670.000	(μ)	-
		M.d. C.d.		
Tensile properties: maximum tensile strength	EN12311-1	700 / 400	(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1	2 / 2	(%)	≥
Resistance to tearing (nail shank)	EN12310-1	150 / 150	(N)	-30%
External fire performance (note 1)	EN1187/EN13501-5+A1	Froof	Class	-
Visible defects	EN1850-1	PASSED	-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296/EN1109	-20	(°C)	+15
Substances dangereuses (notes 2 and 3)	-	CONFORM	-	

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CE

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WARNINGS

It is advisable to employ membranes with a maximum length of 5 m.
Avoid the direct contact of metal with the blow torch flame not to cause damages or detachments of the metal foil.
Fix the layers by heating the underlying membrane.
As first sealing elements it is preferable to use membranes with fiberglass reinforcement or composite polyester reinforcement.
Avoid movements on the product, especially after torching.
The use of low and broad heeled shoes is recommended to avoid damaging the metal foil. In case of slopes over 20%, fix mechanically every 20 cm.
Minimum slope never less than 3% (no less than 5% recommended).
In case of use on insulating panels, preparing a vapour barrier under the insulating material and an adeguate quantity of aerators.

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NORMS

EN13707

Top layer in multi-layer systems

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