soprema.it

-25°C

NOVA-SK

WPBIT0200.c

DESCRIPTION

NOVA-SK is a elastomeric self adhesive bitumen waterproofing membrane (SBS), industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with elastomeric polymers of the latest generation, which gives to the compound superior technical characteristics.
The composite reinforcement, made of nonwoven spunbond polyester in combination with fiberglass, conveys high 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 lower surface is treated with a special bitumen-elastomer compound obtained from the combination of polyolefin polymers, thermoplastic elastomers and adhesive resins which make the membrane self-adhesive and self-sealing.
The upper surface is coated with TEXface nonwoven polypropylene and selvedge protected by anti-adhesive removable film for easy welding overlap. The lower surface is protected with a anti-adhesive removable film.

FIELD OF APPLICATION

The excellent quality of the product, the good mechanical characteristics, dimensional stability and cold flexibility, combined with a good resistance to atmospheric agents, allow application as an under layer in multilayer systems, coupled with compatible membranes, for waterproofing roofs. in general and refurbishments and in all situations where it is necessary to make a barrier to water. It is not suitable for use on garden roofs.
The product is particularly suitable in all those cases in which, due to the characteristics of the laying surface (for example on expanded or extruded polystyrene thermal insulations, wooden roofing, etc.), or for safety reasons, it is not recommended or prohibited to use of open flames for the application of waterproofing membranes. Subsequent layers of bituminous membrane can be applied on NOVA-SK with a slight torching.
NOVA-SK cannot remain exposed to UV rays for long periods. and cannot be protected with subsequent painting.

METHOD OF INSTALLATION

The high adhesive characteristics allow the membrane to be applied directly on the support without the use of a flame, removing the lower anti-adhesive protective film; for application, a minimum ambient and substrate temperature above 10-15 °C is required. In particular conditions, at lower temperatures, a moderate use of flame or hot air may be required to facilitate adhesion to the substrate and between the joints.
In the case of multilayer systems, adhesion increases indirectly during the flame application of the top layer (both in BPP and BPE membranes), as the heat transmitted improves adhesion to the substrate and between the joints. Due to the thermo-adhesive behavior, the increase in ambient temperature favors the adhesion of the product over time.
The membrane can be applied to any type of substrate such as: concrete, brick, sheet metal, wood, all types of insulating panels or other compatible membranes.
The use of Elastocol 600, cold adhesion promoter, is essential for applications on cementitious substrates; recommended for metal and wood.

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

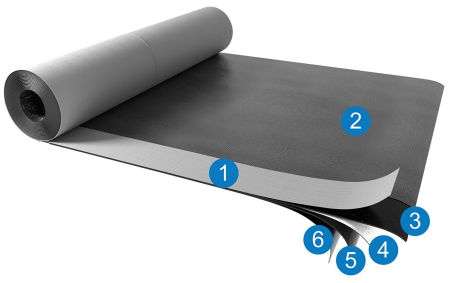
Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing

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

Flexible sheets for waterproofing. Bitumen water vapour control layers

Flexible sheets for waterproofing. Underlays for discontinuous roofing

1. Auto-Adhesive Selvedge
2. Nonwoven polypropylene
3. Waterproofing mass
4. Reinforcement
5. Auto-Adhesive waterproofing mass
6. Anti-Adhesive removable film



Rev.: 2022-11-29/EN

CE

Soprema S.r.l.
Via Industriale dell'Isola, 3
24040 Chignolo d'Isola (BG)
T. +39.035.095.1011

SOPREMA

Production Plant Salgareda (TV)
E. tech-office@soprema.it
W. www.soprema.it
T. +39.0422.8084

soprema.it

-25°C

NOVA-SK

WPBIT0200.c

TECHNICAL DATA

	Norm	Value		Unit	Tolerance
Thickness	EN1849-1	2	3	(mm)	±0,2
Roll length	EN1848-1	15	10	(m)	-1%
Roll width	EN1848-1	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	49.000*		(μ)	-
		M.d.	C.d.		
Tensile properties: maximum tensile strength	EN12311-1	550	450	(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1	40	40	(%)	-15
Resistance to tearing (nail shank)	EN12310-1	150	200	(N)	-30%
Dimensional stability	EN1107-1	±0,3	±0,3	(%)	≤
Shear resistance of joints	EN12317-1	550	450	(N/50 mm)	-20%
Resistance to static puncture	EN12730-A	NPD			
Resistance to impact	EN12691-A	NPD			
External fire performance (note 1)	EN1187/EN13501-5+A1	Froof		Class	-
Reaction to fire	EN11925-2/EN13501-1+A1	E		Class	-
Root resistance	EN13948	NPD			
Visible defects	EN1850-1	PASSED		-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296/EN1109	-25		(°C)	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296/EN1110	NPD			
Durability: Watertightness after artificial ageing	EN1296/EN1928-B	PASSED		(kPa)	≥ 60
Durability: Watertightness against chemicals	EN1296/EN1847	NPD			
Durability: Resitance to water vapour after artificial ageing	EN1296/EN1931	PASSED		(μ)	± 50 % v.i.
Durability: Chemical resistance	EN1847/EN1931	PASSED		(μ)	± 50 % v.i.

WARNINGS *Test result of 2 mm thickness membrane

NORMS EN13707; EN13969; EN13970; EN13859-1

Base sheet in multi-layers systems

Damp proof courses

Foundations

Rev.: 2022-11-29/EN

Soprema S.r.l.
Via Industriale dell'Isola, 3
24040 Chignolo d'Isola (BG)
T. +39.035.095.1011

SOPREMA

Production Plant Salgareda (TV)
E. tech-office@soprema.it
W. www.soprema.it
T. +39.0422.8084