

Gold NOVA-SK



DESCRIPTION

NOVA-SK is self adhesive bitumen 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 adhesive characteristic. 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 upper surface is coated with thermo-fusibile polyolefinc film or 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

NOVA-SK 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 excellent 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 self adhesive 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 10°C, and after the substrate has been adequately cleaned and prepared.

PACKING AND STORAGE

The product is packed as standing rolls on wooden pallets wrapped with thermoshinking 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.

DISPOSAL

The product does not contain dangerous substances and can be considered as household rubbish or industrial waste (identification code EWC170302).

INTENDED USE OR USES

Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing	EN13707:2013
Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets	EN13969:2004 /A1:2006
Flexible sheets for waterproofing. Bitumen water vapour control layers	EN13970:2004 /A1:2006
Flexible sheets for waterproofing. Underlays for discontinuous roofing	EN13859-1:2014

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TECHNICAL DATA



	Norm	Value	Unit	Tolerance
Thickness	EN1849-1:1999	1,5-2-3	mm	±0,2
Roll length	EN1848-1:1999	20-15-10	m	-1%
Roll width	EN1848-1:1999	1 - 1,08	m	-1%
Straightness	EN1848-1:1999	PASSED	-	20 mm / 10 m
Flexibility at low temperature (pliability)	EN1109:2013	-25	°C	≤
Heat flow resistance	EN1110:2010	90	°C	≥
Watertightness	EN1928-B:2000	200	kPa	≥
Watertightness	EN1928-B:2000	PASSED	kPa	≥ 60 kPa/24h
Watertightness	EN1928-A W1:2000	PASSED	kPa	≥ 2 kPa/2h
Water vapour transmission properties	EN1931:2000	65.000	μ	-
M.d. C.d.				
Tensile properties: maximum tensile strength	EN12311-1:1999	500 / 450	N/50 mm	-20%
Tensile properties: elongation at break	EN12311-1:1999	40 / 40	%	-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 / 450	N/50 mm	-20%
Resistance to static puncture	EN12730-A:2015	NPD		
Resistance to impact	EN12691-A:2006	NPD		
External fire performance	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	-
Durability: Resistance to water vapour after artificial ageing	EN1296:2000/EN1931:2000	PASSED	μ	± 50 % v.i.
Durability: Chemical resistance	EN1847:2009/EN1931:2000	PASSED	μ	± 50 % v.i.



Substates or intermediate layers



Water vapour barrier



Under layers for discontinuous roofing



Damp proof courses



Foundations