

NOVAR-CH

WPBIT0230.a

DESCRIPTION

NOVAR-CH is a plastomeric modified bitumen waterproofing membrane (APP), industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with polyolefin polymers and integrated with a special anti-root additive, 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, isotropic behavior and elastic performance.

Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendaring of the mass at hot melt fluid state.

The upper surface is coated with anti-adhesive amorphous sand. The lower surface is coated with a thermo-fusible polyolefin film.

FIELD OF APPLICATION

NOVAR-CH is particularly suitable as top layer or as under layer anti-root in multi-layer waterproofing systems, with compatible membranes, where require anti-root resistance.

Roof gardens, terraces, foundations, are valid examples of the design application of this product. It can be applied onto every substrate (concrete, masonry, membrane, etc.) and under heavy protection. 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 excellent 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 or mechanical fastenings.

The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared.

PACKING AND STORAGE

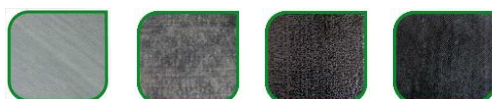
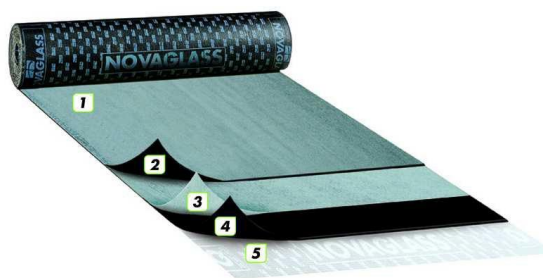
The product is packed as standing rolls on wooden pallets wrapped with thermo-shrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected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

1. Anti-adhesive surface
2. Waterproofing mass
3. Reinforcement
4. Waterproofing mass
5. Torch-off film



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Technical Data

Attribute	Norm	Value	Unit	Tolerance
Thickness	EN1849-1:1999	3,4,5	(mm)	±0.2%
Roll Length	EN1848-1:1999	10	(m)	-1%
Roll Width	EN1848-1:1999	1	(m)	-1%
Straightness	EN1848-1:1999	PASSED	-	20 mm / 10 m
Flexibility at low temperature (pliability)	EN1109: 2013	-15	(°C)	≤
Heat flow resistance	EN1110: 2010	130	(°C)	≥
Watertightness	EN1928-B: 2000	200	(kPa)	≥
Water vapour transmission properties	EN1931: 2000	20.000*	(μ)	-
M.d. C.d.				
Tensile properties: maximum tensile strength	EN12311-1:1999	750 / 550	(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	(%)	≤
Peel resistance of joints	EN12316-1:1999	50 / 50	(N/50 mm)	-20
Shear resistance of joints	EN12317-1:1999	750 / 550	(N/50 mm)	-20%
Resistance to static puncture	EN12730-A:2015	15	(kg)	≥
Resistance to impact	EN12691-A:2006	1000	(mm)	≥
External fire performance (note 1)	EN1187:2012/EN13501 -5:2005 +A1:2009	F _{roof}	Class	-
Reaction to fire	EN11925-2:2010/EN13501 -1:2007+A1:2009	E	Class	-
Root resistance	EN13948:2007	PASSED	-	PASSED
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	120		-10
Durability: Watertightness after artificial ageing	EN1296:2000/EN1928-B:2000	PASSED	(kPa)	≥ 60
Durability: Watertightness against chemicals	EN1296:2000/EN1847:2009	NPD		

NORMS AND CERTIFICATIONS: EN13707; EN13969 - 1381 - 1381-CPR-415

Note (1): External fire performance depends on the complete system used on the layer, no performance can be declared for the single product.



Top Layer



Garden Roofs


Damp proof
courses


Foundations

INSPECTION AND MAINTENANCE

We recommend that inspections are carried out annually to confirm counterflashing, ensure drains are clear of blockages and to observe if any mechanical damage has occurred. Issues should be reported and rectified immediately. Our SOPREME Trading Bitumen membrane range is designed to last more than 10 years with the correct maintenance regime in place. Contact your local SOPREME Trading representative for any additional information.

QUALITY AND RESPONSIBLE CARE

All products distributed through SOPREME Trading (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

TECHNICAL SUPPORT

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