



NOVAPONTI

Rev. 1 del 01/07/2013

DESCRIPTION NOVAPONTI 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 of the latest generation, which gives to the compound high technical characteristics. The composite reinforcement, made of nonwoven spunbond polyester conveys high mechanical characteristics, high perforation resistance 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-fusibile polyolefin film.

FIELD OF APPLICATION NOVAPONTI is particularly suitable as single layer and as top layer in multi-layer waterproofing systems, with compatible membranes. General roofing, vehicles parking roofs, bridge decks, viaducts, industrial floors, foundations, on or under floors or ground slabs, wall constructions, water tanks, tunnels, as protection from acid and basic solutions 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, wood, insulation panel, 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.

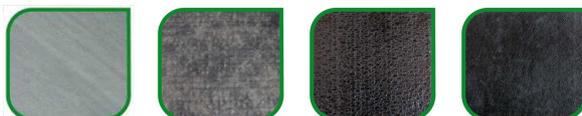
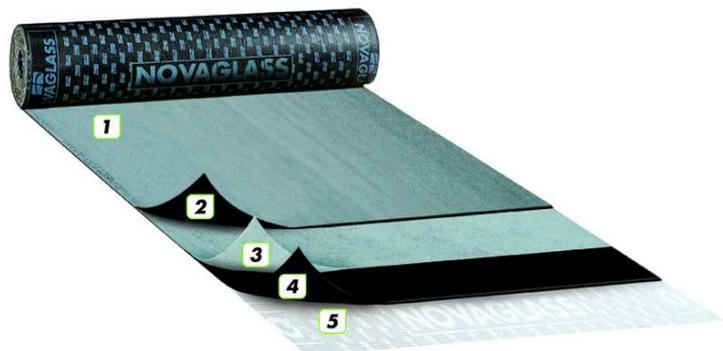
PACKING AND STORAGE The product is packed as standing rolls on wooden pallets wrapped with thermoshrink protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be 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. Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete	EN14695:2010

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



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TECHNICAL DATA

	Norm	Value	Unit	Tolerance
Thickness	EN1849-1:1999	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	800 / 700	N/50 mm	-20%
Tensile properties: elongation at break	EN12311-1:1999	50 / 50	%	-15
Resistance to tearing (nail shank)	EN12310-1:1999	200 / 200	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	800 / 700	N/50 mm	-20%
Resistance to static puncture	EN12730-A:2015	20	kg	≥
Resistance to impact	EN12691-A:2006	1000	mm	≥
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	-5	°C	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296:2000/EN1110:2010	120	°C	-10
Durability: Watertightness after artificial ageing	EN1296:2000/EN1928-B:2000	PASSED	kPa	≥ 60
Durability: Visual defects after artificial ageing	EN1297:2004/EN1850-1:1999	PASSED	-	PASSED
Durability: Watertightness against chemicals	EN1296:2000/EN1847:2009	NPD		
Determination of bond strenght	EN13596 type 1:2004),5 at 8°C / 0,5 at 23°C	N/mm2	≥
Determination of bond strenght	EN13596 type 3:2004),5 at 8°C / 0,5 at 23°C	N/mm2	≥
Determination of shear strength	EN13653 type 3 at 23°C:2004	0,15	N/mm2	≥
Determination of compatibility after heat conditioning	EN14691 type 3 at 23°C:2005	80	%	≥
Determination of crack bridging ability	EN14224 type 3:2010	-20	°C	≤
Determination of resistance to compaction of the protective asphalt layer	EN14692 type 3 method 1:2005	PASSED	-	PASSED
Determination of water absorption	EN14223:2005	1,5	%	≤
Determination of behaviour of bitumen sheets during application of mastic asphalt	EN14693 type 3:2006	20, 0,3, 20	%, mm, %	≤
Determination of resistance to dynamic water pressure without damage by pre-treatment	EN14694:2005	PASSED	-	PASSED
Determination of dimensional stability at high temperature	EN1107-1:1999; EN14695 Annex B	±1	%	≤

NORMS AND CERTIFICATIONS

EN13707; EN13969; EN14695 - 0120 - GB 06/69407; EN14695 - 1211 - 51-10-0148/002



Single layer



Top layers



Bridge decks



Under heavy protection - Single layer



Under heavy protection - multilayer



Car park roofs



Damp proof courses



Foundations