

NOVAPOL

WPBIT0122.b

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| DESCRIPTION | <p>NOVAPOL 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, which gives to the compound superior technical characteristics.</p> <p>The composite reinforcement, made of nonwoven spunbond polyester in combination with fiberglass, conveys good 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.</p> <p>The upper surface is coated with anti-adhesive amorphous sand. The lower surface is coated with a thermo-fusibile polyolefin film.</p> |
| FIELD OF APPLICATION | <p>NOVAPOL is particularly suitable as under layer in multi-layer waterproofing systems, with compatible membranes.</p> <p>General roofing, vehicles parking roofs, foundations, 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, wood, insulation panel, membrane, etc.) and under heavy protection.</p> <p>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.</p> |
| METHOD OF INSTALLATION | <p>The good 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.</p> <p>The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared.</p> |
| PACKING AND STORAGE | <p>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.</p> |
| INTENDED USE OR USES | <p>Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing</p> <p>Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets</p> <p>Flexible sheets for waterproofing. Bitumen water vapour control layers</p> |

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



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TECHNICAL DATA

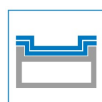
| | Norm | Value | | Unit | Tolerance |
|---|------------------------|-------------|-------|-----------|--------------|
| | | 3 | 4 | | |
| Thickness | EN1849-1 | 3 | 4 | (mm) | ±0,2 |
| Roll length | EN1848-1 | 10 | 10 | (m) | -1% |
| Roll width | EN1848-1 | 1 | 1 | (m) | -1% |
| Straightness | EN1848-1 | PASSED | | - | 20 mm / 10 m |
| Flexibility at low temperature (pliability) | EN1109 | -5 | | (°C) | ≤ |
| Heat flow resistance | EN1110 | 130 | | (°C) | ≥ |
| Watertightness | EN1928-B | PASSED | | (kPa) | 2kPa/24h |
| Watertightness | EN1928-A | 60 | | (kPa) | ≥ |
| Water vapour transmission properties | EN1931 | 128.000* | | (μ) | - |
| | | M.d. C.d. | | | |
| Tensile properties: maximum tensile strength | EN12311-1 | 600 / 450 | | (N/50 mm) | -20% |
| Tensile properties: elongation at break | EN12311-1 | 40 / 40 | | (%) | -15 |
| Resistance to tearing (nail shank) | EN12310-1 | 200 / 200 | | (N) | -30% |
| Dimensional stability | EN1107-1 | ±0,3 / ±0,3 | | (%) | ≤ |
| Shear resistance of joints | EN12317-1 | 600 / 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 | NPD | | | |
| Durability: Flow resistance at elevated temperature after artificial ageing | EN1296/EN1110 | 120 | | (°C) | -10 |
| Durability: Watertightness after artificial ageing | EN1296/EN1928-B | PASSED | | (kPa) | ≥ 60 |
| Durability: Visual defects after artificial ageing | EN1297/EN1850-1 | PASSED | | - | PASSED |
| Durability: Watertightness against chemicals | EN1296/EN1847 | NPD | | | |
| Durability: Resistance to water vapour after artificial ageing | EN1296/EN1931 | PASSED | | (μ) | ± 50 % v.i. |
| Durability: Chemical resistance | EN1847/EN1931 | PASSED | | (μ) | ± 50 % v.i. |

WARNINGS

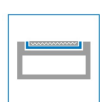
*Test result of 4 mm thickness membrane

NORMS

EN13707; EN13969; EN13970



Top layer in multi-layer systems



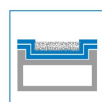
Water vapour barrier



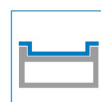
Damp proof courses



Foundations



Multilayer systems under heavy protection



Base sheet in multi-layer systems