
CE

**Vetroasfalto SpA**
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|---|---|
| Date | 05/10/2012 |
| Rel | 05/10/2012 |
| Not Body | 0546 |
| Certificate | CPD-16876 |

**Description:** plastomeric polymer bitumen membrane BPP, compound in distilled bitumen modified with high molecular weight polymers, reinfoced with non woven multi-layer waterproofing system. **Method of Application**: torched-on. **Directive:** EN 13707. **Dangerous Substances**: the product does not contain dangerous substances <<<Campo mancante>>>

# BREIGLAS WATERPROOFING MEMBRANE

## DESCRIPTION

BREIGLAS waterproofing membrane are quality torch applied membrane manufactured from premium grade heavily modified bitumen. It has been developed and produced of plastomeric polymer bitumen membrane BPP, compound in distilled bitumen modified with high molecular weight polymers, reinforced with non woven polyester strand thus guaranteering superior performance under various conditions.

## USES

BREIGLAS waterproofing membrane is ideal for use in wide range of waterproofing applications such as foundations, tunnels, basements, roofs, car park decks and other civil work.

-All concrete roof and floor slab
-Basement tanks
-Car park deck slabs
-Concrete retain structures
-Subway
-Tunnel
-Brigde deck
-Water treatment
-Swimming pool

## ADVANTAGES

BREIGLAS waterproofing membrane has been designed with special regard to providing clients. The chemical resistance of BREIGLAS waterproofing membrane makes it particulary suitable for tanking application in areas where aggressive ground water conditions prevail.

-Easy application by torch-on
-High dimension stability
-Absolute impermeability to water
-Excellent high temprerature performance
-Environmentally friendly
-High mechanical properties

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## INSTRUCTION FOR USE

BREIGLAS waterproofing membrane are quality torch applied membrane manufactured from premium grade heavily modified bitumen. It has been developed and produced of plastomeric polymer bitumen membrane BPP, compound in distilled bitumen modified with high molecular weight polymers, reinforced with non woven polyester strand thus guaranteering superior performance under various conditions.

***Surface preparation***

The surface of concrete substrate shall be smoothed with a steel trowels and shall be removed any loosed aggregates sharp projection sand others likely to damage the membrane.
Smooth transition should be made at wall/parapet/floor slab junctions using sand/cement mortar.
The surface must be cleaned by brush and keep clean condition during waterproofing application.


***Primer application***

Apply primer with a paint brush or roller thinly and uniformly.
Primer should be applied onlythe area to be covered with membrane in working day. Membrane can be covered 2 ~ 3 hours after priming in normal weather and concrete surface conditions.

***Reinforcement of weakpoint***

As the life of membrance can be effectively lengthenedby reinforcing at the vulnerable parts, the weak points such as parapet wall, around drain pipe.

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***Membrane application***

To apply straightly the membrane on the concrete surface, unroll and align the roll with a straight line, and reroll from both edges toward center of the roll. During each stage, must be overlap the next layer by at least 10cm by width.


The membrane roll back without changing the orientation. The rolled membrane is slowly unrolled again while it's surface is lightl heated, transeversally. By means of gas torch, thus causing surface melting and subsequent adhesion to the surface. Add heat the bottom of the membrane steadily and evenly with gas torch till the back side film is melted to flow. Then stick the membrane to the surface with pressure. End joints should be made with a minimum of 10cm overlap. On vertical or inclined surface, the membrane shall be laid from the lowest level to upwards.

**Inspection, repair and protection**

After finish membrane application, membrane must be inspected thoroughly before protective covering or backfilling.

**Storage**

All products should be stored away from sources of heat, in the original unopened packing. It should be stored horizontally, not more than one pallet high.


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# TECHNICAL DATA SHEET

PRODUCT **BREIGLAS 3MM S - APP**

| | | |
|---|---|---|
| **Compound** | **BPP** | **(bitumen modified with plastomeric polymers)** |
| **Reinforcement** | **no woven polyester strand** | |

| CHARACTERISTIC | EN DRC | UNIT | VALUE | | TOL |
|---|---|---|---|---|---|
| Visible Defects | EN 1850-1 | ..... | pass | | ..... |
| Thickness | EN 1849-1 | mm | 3,00 | | -10% |
| Width and Length | EN 1848-1 | m | 1,00 | 10 | -1% |
| Straightness | EN 1848-1 | mm | max 20 | | pass |
| Max Tensile Force (L/T) | EN 12311-1 | N/5cm | 500 | 350 | -20% |
| Elongation (L/T) | EN 12311-1 | % | 40 | 40 | -15 abs |
| Resistance to Stearing (L/T) | EN 12310-1 | N | 140 | 160 | ..... |
| Resistance to Static Loading | EN 12730 | Kg | 15 | | ..... |
| Resistance to Impact | EN 12691 | mm | 700 | | ..... |
| Joint Strength (L/T) | EN 12317-1 | N/5cm | | | npd |
| Peel Resistance of Joint (L/T) | EN 12316-1 | N/5cm | | | npd |
| Pliabillity (cold Flex) | EN 1109 | °C | 0 | | pass |
| Pliabillity (cold Flex) - Aged | EN 1296 | °C | | | npd |
| U.V Artificial Ageing (Visible Defects) | EN 1297 | ..... | | | ..... |
| Watertightness | EN 1298 | kPa | 60 | | ..... |
| Water Vapour Permeability | EN 1931 | μ x1000 | 20 | | npd |
| Water Vapour Permeability (Aged) | EN 1296 | μ x1000 | | | npd |
| Form Stability (New / Aged) | EN 1110 | °C | 120 | | pass |
| Dimensional Stability (L/T) | EN 1107-1 | % | -0,25 | 0,15 | pass |
| Root Resistance | MBP Group | % add | | | npd |
| Extermel Fire Perfomance | EN 13501-5 | Class | F(roof) | | npd |
| Reaction to Fire | EN 13501-1 | Class | F | | npd |
| Granule Adhesion (Mineral) | EN 12039 | % | | | npd |

| | | |
|---|---|---|
| Upper Finishing | | |
| Lower Finishing | | |
| Rolls x Pallet / Packaging | | with shrinkable pa, on pallets |