



**Vetroasfalto SpA**  
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Tel: + 39.02.959831 – Fax: + 39.02.95983555

Date	05/10/2012
Rel	05/10/2012
Not Body Certificate	0546
	CPD-16876

**Description:** plastomeric polymer bitumen membrane BPP, compound in distilled bitumen modified with high molecular weight polymers, reinforced 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 guaranteeing 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
- Bridge 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 particularly 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 temperature 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 guaranteeing 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 only the 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 membrane can be effectively lengthened by 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 lightly heated, transversally. 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 4MM PE - 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	4,00	-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
Pliability (cold Flex)	EN 1109	°C	0	pass
Pliability (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