



SELF-ADHESIVE ELASTOMERIC BITUMINOUS WATERPROOFING MEMBRANE WITH HIGH STRENGTH PP MESH TOP COVER

Ideal for traffic decks waterproofing

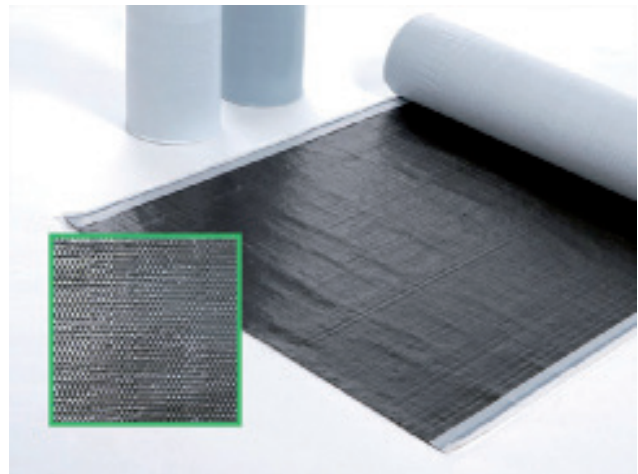
GENERAL DESCRIPTION

ESHASTICK HD is a self-adhesive bituminous waterproofing membrane produced with SBS modified self adhesive bitumen and top finished with high strength polypropylene mesh cover, that also performs as a membrane's co-reinforcement, thus exhibiting very high mechanical strength and puncture resistance. Its bottom finish is a siliconed release PE film.

ESHASTICK HD is specially designed for waterproofing trafficable decks waterproofing, providing excellent adhesion both to the traffic deck substrate and the bitumen overlay. Hot asphalt can be directly laid down and compacted onto the polypropylene surface finish of **ESHASTICK HD** at high temperatures.

Typical applications of **ESHASTICK HD**:

- Waterproofing of bridge and parking decks, ramps or in cases where strong mechanical properties are requested.
- Road binder can be applied hot directly on the membrane
- Protection of underground metal tubes, against corrosion.
- Waterproofing of underground structures.
- Waterproofing & protection of surfaces from chemicals & waste
- Waterproofing in general, where the use of the torch is not possible.



CHARACTERISTICS/ADVANTAGES

- Strong adhesion to rigid and smooth pre-primed surfaces
- Strong adhesion to metallic surfaces without priming
- Quick and Easy application, hence lower application cost
- Being cold-applied and installed without the use of naked flames. **ESHASTICK HD** offers higher safety level on the job site.

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- Very high puncture resistance
- High elasticity and recovery
- Endurance to very low temperatures

NORMS/CERTIFICATION

- Certified according to EN/DIN 18195, EN 13969 type A&T
- Certified with CE 0120-FPC GB 06/69900
- Certified with CE No. 1020-CPR-010021423
- Certified according to EN 14695:2010 for concrete bridge decks

For all available certificates and certifications please contact Esha Sales Department.



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APPLICATION PROCEDURE

- Surfaces should be smooth, dry and dust free, clean from oil, rust and foreign matter.
- The surface is primed with **ESHALAC 50S**. Primer is cold applied as supplied, by brush, roller or spray gun and is allowed to dry.

Primer consumption:

- Metal surface: 150-250 gr/m² in one layer
- Concrete surface: 250-450 gr/m² in one layer

- **ESHASTICK HD** self-adhesive waterproofing membrane is then applied and press-adhered onto the dry and primed surface, after peeling off its protective silicon release paper.
- Overlapping of the membrane sheets should not be less than 5 cm at the edges and 15cm on the top. Waterproof sealing of the seams is achieved by applying local pressure with a seam roller or

rounded wood piece, being very careful on details such as corners, edges, connections and overlaps.

- At temperatures below 5° C, the adhesion properties of **ESHASTICK HD** are enhanced by gently heating the membrane's tacky surface with a hot-air gun or torch.

Application notes

- Application temperature should be higher than 5° C.
- The waterproofing should be carried out by technicians, properly trained and certified in the bituminous membranes application.

For a more detailed description of bituminous waterproofing membranes' application please contact the Esha Sales Department.

STORAGE

Membrane rolls should be stored in their original package, in vertical position, protected from direct sunlight, rain, snow and ice. For correct storage, a dry, covered place with temperature conditions between +5 to +40 °C is recommended.

The product is not affected by frost conditions.





SELF-ADHESIVE ELASTOMERIC BITUMINOUS WATERPROOFING MEMBRANE WITH HIGH STRENGTH PP MESH TOP COVER

Characteristics	Standard	T	Norminal values	Unit
Length	EN 1849-1		20	m
Width	EN 1849-1		1	m
Upper surface covering	---		High strength polypropylene mesh	---
Bottom surface covering	---		Peel off siliconized PE film	---
Thickness	EN 1849-1	± 0.2	1.5 - 3.0	mm
Weight	EN 1849-1	± 10%	-	Kg/m ²
Reinforcment			Glass fleece	
Type	---		Elatomeric self adhesive bitumen	---
Softening Point	EN 1427	>	105	°C
Penetration at 25oC	EN 1426		75 - 95	dmm
Bituminous compound elongation at break	EN 12311-1	≥	1000	%
Tensile strength L/T	EN 12311-1	± 20%	1100/900	N/50mm
Elongation L/T	EN 12311-1	± 15%	15/15	%
Tear resistance L/T	ASTM D-4073-94	± 15%	900/900	N
Static puncture resistance (concrete)	EN 12730/ UEAtc MOAT 27		L3 (15 - 25)	kg
Dynamic puncture resistance (concrete)	EN 12691/ UEAtc MOAT 27		I3	Φ 10mm
Flexibility to low temperatures	EN 1109	≤	-30	°C
Water tightness (72h)	UEAtc / EN 1928		Passed	
Vapor permeability coefficient	EN 1931	≥	20000	---
Reaction to Fire	EN 13501-1		F	---
Dimensional stability L/T	EN 1107-1	± 10%	-0.1/+0.1	%
Application temperature			-5 to +45	°C
Service temperature			-40 to +80	°C

Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.

The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.

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