



Esha ROOFCOAT 10

HYPER-ELASTIC BITUMINOUS WATERPROOFING SOLUTION

- ✓ Unique elasticity
- ✓ Perfect adhesion
- ✓ Excellent waterproofing result
- ✓ Application to concrete and metal surfaces

GENERAL DESCRIPTION

EshaRoofcoat 10 is a high grade, hyper-elastic bituminous waterproofing solution. It is composed of purified bitumen, synthetic elastomers, resins, and anti-stripping agents. It contains toluene.

EshaRoofcoat 10 is designed for waterproofing of concrete surfaces and metal protection. When dry, it forms a continuous elastic film that shows excellent adhesion to most common structural elements. Because of its unique elasticity (1400%) it exhibits excellent crack-bridging properties.

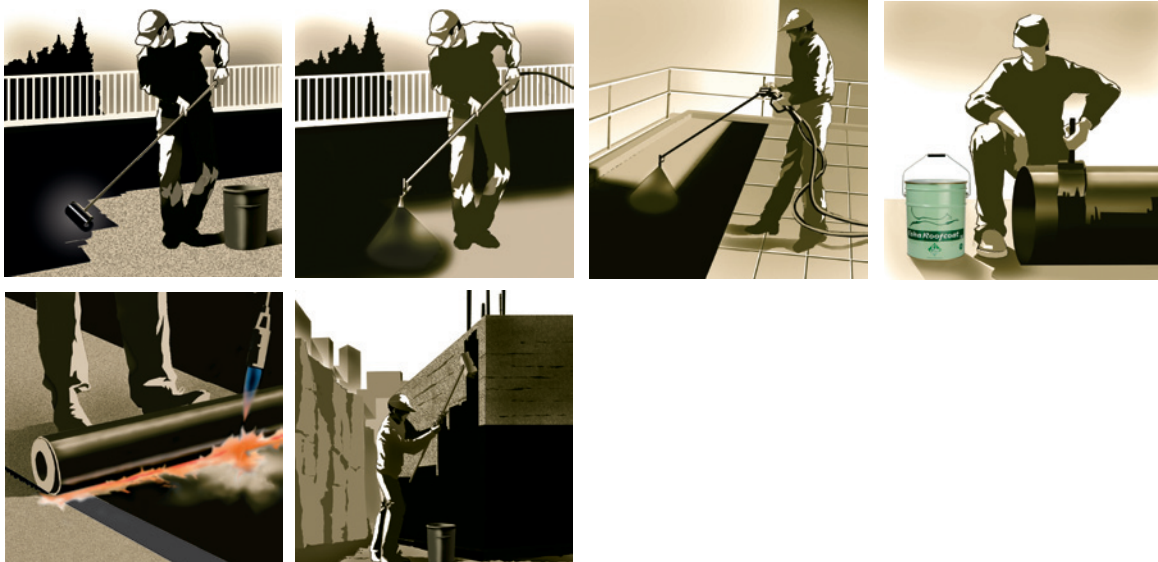


USES

EshaRoofcoat 10 is an excellent material for independent waterproofing of flat roofs, balconies, side walls, basements and generally exterior concrete or metallic surfaces. Besides, it is used for regeneration of old bitumen layers, as its high elasticity ensures reliable bonding with the substrate, and also as primer for the adhesion of bituminous membranes.

EshaRoofcoat 10 is compatible with concrete, light weight concrete, asbestos-cement, brick, stones, metal, plasterboard and polyurethane. It is not compatible with polystyrene due to its organic solvents content.

Attention: The material should only be used in open spaces or in areas with optimum ventilation.





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INSTRUCTIONS FOR USE

SURFACE PREPARATION

Surfaces should be regular, dry, dust free, clean from rust, foreign matter and loose materials.

APPLICATION

A. WATERPROOFING OF SURFACES

- It is cold applied in at least two layers by roller, brush or spray gun. Each new layer is applied in a criss-cross pattern with respect to the previous one, when the latter is dry, in order to avoid solvent vapor inclusion between the layers. For the same reason one thick layer should be avoided.
- When used for waterproofing of exposed surfaces, it is recommended to cover EshaRoofcoat 10 with EshaLumin bituminous aluminium paint, or any other compatible product, which functions as solar reflective barrier.

B PRIMING FOR APPLICATION OF BITUMINOUS WATER-PROOFING MEMBRANES

- Adhesion of bituminous membranes with a torch on a surface primed with EshaRoofcoat 10 should start only after all solvent content has evaporated (at least 24 hours after surface priming has finished).

CONSUMPTION

- For concrete surfaces it is recommended to dilute EshaRoofcoat 10 with an organic solvent up to 15 - 20% in the first layer. If dilution is needed in subsequent layers then 10% is recommended. In both cases consumption ranges between 0.3 - 0.5 kg/m² per layer, depending on the surface type and porosity.
- For protection of metallic surfaces consumption ranges between 0.2 - 0.3 kg/m² per layer.
- For priming, before bituminous membranes application, one layer of 0.3 - 0.5 kg/m² is enough, depending on surface type and porosity.

CLEANING OF TOOLS

Tools are cleaned with organic solvent.

TECHNICAL CHARACTERISTICS

EshaRoofcoat 10 forms a final membrane that does not shrink neither becomes brittle, and retains its elasticity in a wide temperature range (-25 °C to 120 °C). It is not affected by weak acid

and alkali solutions but is affected by mineral oils. It is not affected by most common chemical substances contained in the soil.

PROPERTIES	NOMINAL VALUE	TEST METHOD
PHYSICAL APPEARANCE	Viscous liquid	Observation
COLOR	Black	Observation
DENSITY	0.95 ± 0.05 gr/cm ³	ASTM D-1475
SOLVENTS CONTENT	40 %	By Evaporation
Flash point of solvents	≤ 21° C	ASTM D-92
Flash point of dry film	≥ 200° C	ASTM D-92
Softening point of dry film	> 110° C	ASTM D-36
Elongation	> 1000 %	ASTM D-412
Water absorption	≤ 0.05 %	AASHTO T-238
Water pressure resistance	≥ 0.15 Mpa	DIN 16726
Touch free time	< 4 h	ASTM D-2377
Impact resistance		
Falling height 300mm, 0° C	No crack	ISO 6272
Falling height 200mm, 20° C		
Gap Bridging under pressure (0.5 bar, 8h, 3mm thick)		
Gap 3mm, 0° C	No leakage	AIB 1.997 Annex III Column 5
Gap 3mm, 20° C		
Concrete adhesion		
Cured for 1 day at 70° C	> 0.15 N/mm ²	ASTM D-429
Cured for 7 days at 70° C	> 0.20 N/mm ²	
Cured for 28 days at 70° C	> 0.40 N/mm ²	

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



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PRECAUTIONS

- **EshaRoofcoat 10** contains inflammable solvents. It must not be applied or kept near sources of heat and ignition. Vapour inhalation must be avoided.
- Ventilate well during application. Always wear suitable gloves and eye-face protection during use because it is irritating to eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In liquid form it pollutes the water. It should not be disposed to the ground but be treated according to the relevant regulations.

For more information please ask the material's MSDS from Esha sales dept.

PACKING

In pails of **17 kg** and drums of **170 kg**.

STORAGE

At least for one year in sealed containers. Store in dry environment. Do not expose to heat sources.

Directions given on or in the packages or containers will always prevail.

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.

Alfa-Alfa Energy S.A.

ATHENS/CENTRAL OFFICES-FACTORY: Aspropyrgos Beach, 193 00 Aspropyrgos, Attica
T +30 2105518700, **F** +30 2105572974 | **SALONICA/OFFICES-WAREHOUSE:** 18 Epirou Street,
 570 09 Kalochori, Salonica, **T** +30 2310783725, **F** +30 2310783326 | www.esha.gr • info@esha.gr



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