



we know how
since 1962

WATERPROOFING COATINGS POLYMER COATINGS-TOP COATINGS

ESHADESMOTOP

Single-component, polyurethane-based cast waterproofing membrane with resistance to solar radiation



GENERAL DESCRIPTION

ESHADESMOTOP is an elastomeric sealant for horizontal surfaces with exceptional resistance to solar radiation. It is an one-component product based on aliphatic elastomeric polyurethane.

When **ESHADESMOTOP** comes into contact with moisture in the air, it polymerizes and forms a cohesive and elastic membrane. This final membrane has exceptional resistance to UV radiation maintains color stability without chalking, even after long-term exposure to the sun, and is used as a topcoat over **ESHADESMOLAST**.

ESHADESMOTOP is highly resistant to mechanical stress and is suitable for waterproofing rooftops with light pedestrian traffic. It adheres well to many porous surfaces, even without the use of a primer.

APPLICATION FIELDS

ESHADESMOTOP is recommended as:

- A final waterproofing and protection layer over **ESHADESMOLAST** cured waterproofing liquid membranes.
- Waterproofing of concrete surfaces (e.g. balconies)
- Waterproofing of old layers with polyurethane foam.

STORAGE

ESHADESMOTOP has shelf life of 12 months from production date, in its original un opened packaging provided proper storage at dry protected environment with storage temperature from +5 to +30°C. In case opened needs to be fully utilized.

PACKING

Metallic pails of 4 kg and 19 kg.

CHARACTERISTICS/ADVANTAGES

- Elastic Behaviour
- Resistance to UV radiation
- Colour stability
- Resistance to abrasion and ageing (solar radiation and humidity)
- Resistance to hydrolysis and chemicals
- Mechanical resistance to stress

Alfa-Alfa Energy S.A.

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APPLICATION PROCEDURE

WEATHER CONDITIONS

ESHADESMOTOP must not be applied during frost or when the temperature is below 5 °C. Avoid rainy weather.

SURFACE PREPARATION

- Surfaces should be dry, dust free clean from oils and foreign matter.
- All surface cracks should be filled with polyurethane based sealant **ESHAPOLYSEAL 1K**.
- For concrete waterproofing applications it is recommended that **ESHADESMOLAST PRIMER PU** and **ESHADESMOLAST** layers have already been applied.
- In the cases that **ESHADESMOLAST** waterproofing system has been applied **ESHADESMOTOP** has to be applied within 72 hours.

APPLICATION

- Application in one or two coatings by using roller or spray gun.
- Time interval between two layers is at least 3-24 h and not more than 48 h, depending on the environmental conditions.
- If there is any difficulty in spreading the material, **ESHADESMOTHINNER** (up to 10% by volume) can be used to thin the material.

CLEANING OF TOOLS

Tools cleaning is made with **ESHADESMOTHINNER** or by mechanical means if the material is dry.

CURING TIME

12-24 h for 1 mm thick film depending with environmental conditions. Low temperatures retard curing while high temperatures speed up this process. High environmental humidity conditions may affect the final finish. Final properties achieved in 2-5 days.

CONSUMPTION

The recommended consumption is 150-350gr/m³ and it depends on the uniformity of the surface.

Today, Esha is the No.1 producer of bituminous waterproofing membranes in Greece, while also offering more than 500 specialized products (emulsions and solutions for surface protection and waterproofing, joint sealing materials, acrylics, epoxies, polyurethanes, polysulfides, modified road asphalt (elastomers, plastomers, recycled tires), asphalt road emulsions, asphalt bridge waterproofing materials, polyurethane thermal insulation boards, etc.).



See the products
and their applications
on our new website
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PRECAUTIONS

- Contains volatile solvents-Skin & eyes irritant. Avoid contact with eyes & skin. In case of contact wash thoroughly with plenty of water & soap. In closed spaces use adequate ventilation.
- Use proper safety equipment (gloves, eye protection) during application and ensure adequate ventilation.
- Seek immediate medical advice in case of swallowing the material
- Do not dispose to the environment -Water pollutant, toxic for aquatic life.
- Ensure that application doesn't take place near naked flame or electrostatic charges. For professional use only.

European Emergency Tel.: 112

UFI: XYE1-J0CH-C00E-PWGW

For more information please refer to the material's MSDS from Esha sales department and read carefully the product's plastic pail label.

TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUES	TEST METHOD	UNITS
Film Forming Time (23°C, 50% RH)	Yellowish	---	---
Viscosity (23°C)	2000-2500	EN ISO 3219	cPs
Color	White, Grey (any other upon request)	Observation	---
Density (21°C)	1.05 ± 0.05	DIN EN ISO 2811-1	g/cm ³
Elongation at break point	150	DIN 53504	%
Tensile strength (max)	4.64	DIN 53504	N/mm ²
Hardness	SHORE D: 30	ASTM D 2240	---
Concrete Adhesion	> 2	ASTM D 903	N/mm ²
Resistance to UV radiation and moisture exposure: 2000h accelerated weathering, consisting of the following cycles: • 4h UV exposure, at 60°C • 4h moisture exposure, at 50°C	Retains its mechanical properties and Elastic performance. No chalking observed		---

Fluctuations in nominal values are in accordance with the relevant standards. The manufacturer reserves the right to modify the properties of its products. Esha provides information and, in particular, recommendations regarding the application and end use of its products based on its current knowledge and experience, when the products are stored, used, and applied under normal conditions. In practice, there are variations in substrates and local application conditions, so Esha cannot guarantee the success of the application of any material. It is recommended that the user test the application of the material under the local application conditions.