



DESMOTOP

ONE COMPONENT ALIPHATIC LIGHT STABLE
POLYURETHANE LIQUID APPLIED MEMBRANE

GENERAL DESCRIPTION

ESHADESMOTOP is an one component elastomeric waterproofing liquid applied membranes based on aliphatic polyurethane. It cures with the atmospheric humidity producing an elastic bubble free waterproofing & protection layer.

ESHADESMOTOP exhibits high endurance to UV radiation (it will not yellow), with no shrinkage & high resistance to mechanical stress resulting in a walkable (light pedestrian traffic) surface under a wide environmental service temperature.

USES

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.



INSTRUCTIONS FOR USE

Surface Preparation

- Application temperature should be above 5°C. Avoid rainy weather.
- 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** (or **ESHADESMOLAST PRIMER AQUA 2K**) 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.
- In case where old bituminous waterproofing layers exist it is recommended to prime first with **ESHADESMOLAST PRIMER AQUA 2K**.

Application

- Application in one or two coatings by using roller or spray gun.
- Time interval between two layers is at least

3-4 h and not more than 48 h, depending with the environmental conditions.

- Consumption as a top coat is around 150-250 gr/m² per layer depending to the substrate roughness. If there is any difficulty in spreading the material, **ESHADESMOTHINNER** (up to 10% by weight) can be used to thin the material.

Curing time

12-24 h depending with environmental conditions Low temperatures retard curing while high temperatures speed up this process. High environmental humidity conditions may affect the final finish.

Attention:

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

Cleaning of Tools

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



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TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUE	TEST METHOD	UNIT
Film Forming Time (23°C, 50% RH)	2	–	hrs
Color	White, Grey (any other upon request)	Observation	–
Density	1.10 ± 0.05	ASTM D 1475	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	–
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	ASTM G53: QUV-se accelerated weathering cyclic corrosion tester	
Resistance to temperature variation	-40 to + 80	–	°C
Curing Time	12 - 24	–	hrs
Application temperature	+5 to +40	–	°C

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

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.

SELF-LIFE / 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.

For analytical information please refer to the material's MSDS

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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EN ISO 9001:2008



EN ISO 14001:2004

