



DESMOBIT 1K

ONE COMPONENT BITUMEN-POLYURETHANE ELASTIC WATERPROOFING MEMBRANE

- ✓ Elastic behaviour even on very low temperature -40°C
- ✓ Excellent behaviour on high temperature
- ✓ Excellent adhesion to many types of substrate
- ✓ Crack-bridging ability
- ✓ High elongation and mechanical properties
- ✓ High Resistance to ponding water
- ✓ Resistant to chemicals
- ✓ Resistant to mechanical strains and friction
- ✓ Easy mixing and fast cure

GENERAL DESCRIPTION

ESHADESMOBIT 1K is one component polyurethane-bitumen waterproofing coating, for horizontal and vertical surfaces, based on elastomeric PU and bituminous resins.

When cured, it provides a permanent highly elastic, seamless membrane with strong adhesion to a wide range of all construction elements, excellent crack bridging and vapour barrier properties.

USES

ESHADESMOBIT 1K is suitable for surface waterproofing of:

- foundations
- basements
- roofs
- bathrooms and balconies (under tile)
- roof-gardens
- Non drinking water tanks
- tunnels (cut and cover)
- Bridges and parking
- Vapour Barrier

SELF - LIFE / STORAGE

ESHADESMOBIT 1K can be kept for at least 6 months in the original sealed metallic pails in a dry protected environment. Do not expose to heat sources. When a pail is opened, **ESHADESMOBIT 1K** must be consumed at once.



PACKAGING

In metallic pails of 6 Kg and 23 Kg.

Before use read precautions of the product that are written on the containers of the product..



DESMOBIT 1K

ONE COMPONENT BITUMEN-POLYURETHANE
ELASTIC WATERPROOFING MEMBRANE

INSTRUCTION FOR USE

Weather conditions

Avoid rainy weather and temperatures below 5 °C. It is not recommended in direct U.V. exposure.

Surface Preparation

- Surfaces should be dry, dust free clean from oils and foreign matter.
- Cracks should be primary filled with polyurethane joint sealant **ESHAPOLYSEAL 1K**.
- For concrete surfaces use **ESHADESMOLAST PRIMER PU** or **ESHADESMOLAST PRIMER AQUA 2K** in order to improve the mechanical properties of the substrate surface.
- Wet substrates should be avoided (RH <5%).

Application

- ESHADESMOBIT 1K** is applied by brush,

roller or spray gun in 2-3 layers. Successive layers are applied each across to the previous one, and when the latter is dry. Time interval between two layers is at least 45min and not more than 48 h. However, this largely depends on environmental conditions. **Stir before use.**

- If needed, for spray gun application **ESHADESMOBIT 1K** can be diluted with **ESHADESMOTHINNER** 10% w/w.

Consumption

The recommended consumption of **ESHADESMOBIT 1K** is 1.1 Lt/m² - 1.3 Lt/m² (1.3-2.0 Kg/m²) depending on surface porosity. Do not apply more than 1.0Kg/m² per layer in order to avoid blistering.

Curing Time

12-24h depending on environmental temperature and humidity conditions.

TECHNICAL CHARACTERISTICS

ΙΔΙΟΤΗΤΕΣ	ΟΝΟΜΑΣΤΙΚΗ ΤΙΜΗ	ΜΕΘΟΔΟΣ	ΜΟΝΑΔΕΣ
Color	black	---	---
Skin forming Time (23°C, RH50%)	45 depends on weather conditions	---	min
Density (21°C)	1.26 ± 0.05	DIN EN ISO 2811-1	g/cm ³
Elongation at Break point (dry film)	400	DIN 53504	%
Tensile Strength (dry film)	2.0	DIN 53504	N/mm ²
Hardness SHORE A	30	DIN53505	---
Adhesion on Concrete (without primer)	> 2.0	pull out test	N/mm ²
Resistance to temperature variation	-40 έως + 80	---	°C
Application Temperature	+5 έως +40	---	°C

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 | THESSALONIKI/OFFICES-WAREHOUSE: 18

Epirou Street, 570 09 Kalochori, T +30 2310783725, F +30 2310783326 |

www.esha.gr • sales@esha.gr



EN ISO 9001:2015 EN ISO 14001:2015