

ESHADESMOSEAL

One component, silane based, elastomeric
waterproofing coating



GENERAL DESCRIPTION

EshaDesmoseal is an one component, silanebased, elastomeric waterproofing coating. It cures with the humidity and forms a strong, elastic and impermeable to water, membrane with excellent resistance to weather conditions (rain water, frost, UV radiation). The final membrane has high reflection of solar energy and significant reduction of the temperature inside the building during summer. Its white color does not subject to yellowish and has excellent mechanical and chemical resistance properties.

The special composition of **EshaDesmoseal** allows it to dry very fast without forming bubbles, making it easy to apply. Also, it has very good adhesion to itself, that allows spot repairs.

EshaDesmoseal has excellent adhesion to concrete, bricks, tiles, plasters, metals and plastics even without priming.

EshaDesmoseal is suitable for protection and waterproofing at:

- Roofs
- Basements
- Surfaces with stagnant waters, flowerbeds.,
- Water tanks

STORAGE

To **EshaDesmoseal** can be stored for at least 12 months in sealed containers, when stored in dry and cool areas. When opened, the product should be used all at once.

PACKAGING

In metal pails of 0.7 Lt, 3.6 Lt and 18Lt.

CHARACTERISTICS/ADVANTAGES

- ▶ Elastic behaviour
- ▶ Excellent adhesion without primer
- ▶ High water vapour permeability
- ▶ Excellent resistance to UV radiation
- ▶ Long lasting waterproofing
- ▶ Bright white surface color

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APPLICATION PROCEDURE

WEATHER CONDITIONS

EshaDesmoseal should not be applied during rainy weather, cold seasons and when the ambient temperature is lower than 5°C.

SURFACE PREPARATION

- Substrate should be dry.
- Clean thoroughly the surface from dust and loose particles by using compressed air. Avoid cleaning with water.
- Cracks should be sealed using polyurethane sealant **EshaPolyseal 1K**.
- For concrete surfaces it is recommended to prime with **EshaDesmolast Primer PU** or **EshaDesmolast Primer Aqua 2K** to improve the mechanical properties of the substrate.
- If the substrate is moist, should be primed with **EshaDesmolast Primer Aqua 2K** before applying **EshaDesmoseal**.
- When the substrate has residues from bituminous materials, priming with **EshaPrimer PUB 2K** should be preceded.

APPLICATION

- **EshaDesmoseal** is cold applied by roller, or airless gun in two or three layers. Each new layer is applied in a criss cross pattern when the previous one is completely dry. Time interval between each coat is at least 3 h depending on weather conditions.
- Each layer is recommended not to exceed 0.5 mm thickness to prevent bubble formation. Optional dilution with **EshaDesmothinner** no more than 10% per weight.
- For improved mechanical properties of the final membrane reinforcement (polyester reinforcement, fiberglass etc.) is recommended between the two layers

CLEANING TOOLS

Tools and soiled surfaces can be cleaned with **EshaDesmothinner** as long as the material is still fresh and with mechanical means when it has dried out.

CURING TIME

12h for 1mm thick membrane depending on weather conditions. The final strengths of the material are formed in 2 to 5 days..

CONSUMPTION

- A minimum consumption of 1,0-1,5 Lt/m² is recommended depending of the roughness of the surface.
- With the above consumption a waterproofing membrane of 1,0-1,5 mm is created



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PRECAUTIONS

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing dust/fumes/gas/droplets/vapors/emissions. Contaminated work clothing should not be taken out of the workplace. Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container according to the separated collection system used in your municipality. Prolonged exposure may cause skin dryness or cracking. Contains Butan-2-one O, O', O''- (vinylsilyldi) trioxime, N- (3- (trimethoxysilyl) propyl) ethylenediamine.

European Emergency Tel.: 112

UFI: 6CP6-JX53-M00F-X0TP

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



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
www.esha.gr

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TECHNICAL CHARACTERISTICS

PROPERTIES	TEST METHOD	NOMINAL VALUES	UNITS
Color	Observation	White	---
Surface membrane formation time	45-75, depending on weather conditions	---	min
Water Vapour permeability	ISO 9932	30	g/m ² /h
Density	ASTM D 1475	1.23 ± 0.05	g/cm ³
Elongation at break point	DIN 53504	> 300	%
Tensile strength	DIN 53504	2.0	N/mm ²
Hardness SHORE A	ASTM D 2240	50	---
Resistance against ageing: Subjected to 4000 hours of artificial aging, consisting of the following cycles: α. 4 h of exposure to ultraviolet application, in an environment of 60°C β. 4 h of exposure to humidity, in an environment of 50°C	ASTM G53: QUV-se ACCELERATED WEATHERING CYCLIC CORROSION TESTER	Maintenance of mechanical properties / Maintenance of elasticity	---
Temperature variations resistance	---	-40 to + 80	°C
Application temperature	---	+5 to +40	°C

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.