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since 1962

## WATERPROOFING COATINGS BITUMINOUS EMULSIONS

# ESHACOAT No2

Bituminous waterproofing emulsion



### GENERAL DESCRIPTION

**EshaCoat No2** is a bituminous emulsion with fillers, for waterproofing surfaces of most common structural elements and particularly concrete. A continuous, inflammable watertight black film is formed after water evaporation, with excellent adhesion properties to the substrate. The dried film is resistant to dilute acid and alkali solutions.

**EshaCoat No2** is userfriendly as it does not contain organic solvents (**VOC's FREE**) and is dissolved with water

**EshaCoat No2** is widely used for:

- Waterproofing of vertical or horizontal concrete surfaces (e.g. terraces and sloped roofs, interior and exterior walls, basement walls).
- Regeneration of old bituminous coatings
- As primer for torching bituminous waterproofing membranes.

**EshaCoat No2** is compatible with concrete, light-weight concrete, asbestos cement, brick, stones, metal, polyurethane, polystyrene and plasterboard.

### STORAGE

**EshaCoat No2** should be stored in protected areas where temperature is maintained above 5°C. Preserved in sealed containers for over a year.

### PACKING

In pails of 17 Kg and drums of 180 Kg

### APPLICATION PROCEDURE

#### WEATHER CONDITIONS

### CHARACTERISTICS/ADVANTAGES

- ▶ Easy & reliable application
- ▶ Excellent adhesion to construction materials
- ▶ Water soluble - User-friendly

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Avoid rainy – frost weather. Do not apply at temperatures below 5°C.

### SURFACE PREPARATION

Surfaces should be regular, dust free, clean from oils and foreign matter. **EshaCoat No2** can be applied on a damp (not wet) substrate. Concrete existing cracks should be first repaired with polyurethane one component sealant **EshaPolyseal 1K**.

### APPLICATION

- It is cold applied in at least two layers by brush or spray gun. Each new layer is applied in a crisscross pattern with respect to the previous one, when the latter is dry, to avoid entrapment of water in-between successive layers.
- Reinforcement (e.g. polyester fabric or glassfleece) may be used between two successive layers to increase the mechanical properties of the final film.
- When used for waterproofing of exposed surfaces it is recommended to apply a protective layer of a bituminous aluminium paint on top (**EshaLumin**, or any other similar product), which functions as solar reflective barrier.

### CLEANING OF TOOLS

Tools are cleaned with water before the emulsion has dried or with gasoline in case it has already dried.

### CONSUMPTION

Consumption depends on the porosity, surface texture, and desired result. Indicatively:

- Vapor Barrier: 0.5 - 0.7 kg/m<sup>2</sup> per layer (at least 2 coats).
- Bonding Insulation Boards: 0.7 – 1.0 kg/m<sup>2</sup> total in multiple layers.
- Waterproofing Walls and Foundations: 1.5 - 2.5 kg/m<sup>2</sup> total in multiple layers.
- Roof Waterproofing: 2.5 – 3.6 kg/m<sup>2</sup> total in multiple layers.

### Dilution:

- First coat (priming): Dilution up to 50% with water is recommended.
- Subsequent coats: Dilute up to 30% with water.

### PRECAUTIONS

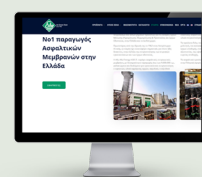
May cause damage to organs through prolonged or repeated exposure. Keep out of reach of children. Do not breathe dust/fume/gas/mist/vapours/spray. Get medical advice/attention if you feel unwell. Dispose of contents/container in accordance with local/regional/national/international regulations.

**European Emergency Tel.: 112**

**UFI: 2600-80N6-H00A-5SDV**

*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](http://www.esha.gr)

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## TECHNICAL CHARACTERISTICS

According to ETAG No005-Part2

PROPERTIES	T*	NOMINAL VALUES	TEST METHOD	UNITS
Physical State	---	Bituminous emulsion for pre-impregnation and protection	MDV	---
Color	---	Brown - black	Observation	---
Density	± 0.10	1.1	ISO 12185	g/cm <sup>3</sup>
pH Value	± 1	7.0	ISO 976	---
Solid Content	40 - 60	50 ± 2	EN ISO 3251	%
Water content	---	40 - 60	Requirements according to ASTM D-1227 Type II Test according to ASTM D-2939	%
Ash content of residue	---	30 - 50		%
Flow resistance at 100°C	---	No flow or bubbles		---
Flexibility to 0°C	---	No crack		---
Water immersion resistance	---	No flow or reemulsification		---
Dynamic Indentation Resistance	≤	I-1	EOTA TR-006	
Static Indentation Resistance	≤	L-1	EOTA TR-007	
Resistance to Fire	≤	F	EN 13501-1	---
External fire performance	≤	Froof	EN 1187	---

(\*): T: Fluctuations in nominal values

(\*\*): As a primer in a single asphalt membrane waterproofing system

According to EN 1504-2:2004

Essential Characteristics	Performance	Standard requirement	Test Method
CO <sub>2</sub> permeability coefficient CO <sub>2</sub> - S <sub>D</sub> , m	> 100	> 50	EN 1062-6:2002
Vapor permeability coefficient - S <sub>D</sub> , m	≥ 51	> 50 for class III	EN ISO7783:2018
Water permeability coefficient - W, kg/(m <sup>2</sup> *h <sup>0.5</sup> )	< 0.035	< 0.1	EN 1062-3:2008
Detachment force, N/mm <sup>2</sup>	≥ 1.0	≥ 0.8 No traffic	EN 1542:1999

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.