



# Esha COAT No.1

## HIGH GRADE BITUMINOUS WATERPROOFING EMULSION

- ✓ Perfect adhesion to all construction materials
- ✓ Excellent waterproofing result
- ✓ Easy application
- ✓ Water soluble – Friendly to use

### GENERAL DESCRIPTION

EshaCoat No1 is a high grade bituminous emulsion for waterproofing surfaces of most common structural elements and particularly concrete. A continuous, inflammable watertight film is formed after water evaporation, with excellent adhesion properties to the substrate. The dried film is resistant to dilute acid and alkali solutions. It is user-friendly as it does not contain organic solvents and is dissolved with water

### USES

EshaCoat No1 is used for waterproofing of vertical or horizontal concrete surfaces (e.g. terraces, balconies and sloped roofs, interior and exterior walls, basement walls), for regeneration of old bituminous coatings, for adhesion of insulating materials and as vapor barrier. EshaCoat No1 is compatible with polyurethane, polystyrene, concrete, light-weight concrete, asbestos cement, brick, stones, metal and plasterboard.



### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

Surfaces should be regular, dust free, clean from oils and foreign matter.

#### APPLICATION

- It is cold applied in at least two layers by brush or spray gun. Each new layer is applied in a criss-cross pattern with respect to the previous one, when the latter is dry.
- Reinforcement (e.g. polyester fabric or glassfleece) may be used between two successive layers to increase the mechanical properties of the final film.

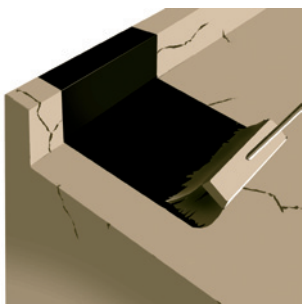
**Attention:** EshaCoat No1 must not be applied during frost or when the temperature is below 5° C.

#### CONSUMPTION

In the first layer, EshaCoat No1 is diluted with water up to 50%. For subsequent layers it is diluted with water up to 30%. In both cases consumption ranges between 0.4 – 0.6 kg/m<sup>2</sup> per layer depending on surface type and porosity.

Indicative consumptions for EshaCoat No1 depending on the application:

- Waterproofing of terraces: 3.6 kg/m<sup>2</sup>
- Protection and waterproofing of walls: 1.5 kg/m<sup>2</sup>
- Adhesion of insulation boards: 0.7 kg/m<sup>2</sup>
- Vapor barrier: 0.7 kg/m<sup>2</sup>





### HIGH GRADE BITUMINOUS WATERPROOFING EMULSION

#### CLEANING OF TOOLS

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

#### TECHNICAL CHARACTERISTICS

In its initial physical condition **EshaCoat No 1** is a thixotropic paste. After all water-content has evaporated a watertight film is formed, that is not influenced by most common salts and chemical agents contained in soil. It is attacked by solvent and mineral oils.

PROPERTIES	NOMINAL VALUE	TEST METHOD
PHYSICAL APPEARANCE	Thixotropic Paste	Observation
COLOR	Brown - Black	Observation
DENSITY	0.98 - 1.04 g/cm <sup>3</sup>	Requirements according to ASTM D-1227 Type I  Tests according to ASTM D-2939
RESIDUE AFTER EVAPORATION	45 - 65 %	
Water content	45 - 65 %	
Ash content of residue	5 - 20 %	
Water immersion resistance	No bubbles or reemulsification	
Flow resistance at 100 °C	No flow or bubbles	
Reaction to fire	No ignition	
Flexibility at 0 °C	No crack	

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

#### PRECAUTIONS

- Prolonged skin contact with **EshaCoat No1** should be avoided.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- It should not be disposed to the ground but should be treated according to the relevant regulations.

For more information please ask the material's MSDS from Esha sales dept.

#### PACKING

In pails of **18 kg** and drums of **200 kg**.

#### STORAGE

Stored in protected areas where temperature is maintained above 0 °C. Preserved in sealed containers for over a year.

Directions given on or in the packages or containers will always prevail.

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 | **SALONICA/OFFICES-WAREHOUSE:** 18 Epirou Street,  
 570 09 Kalochori, Salonica, **T** +30 2310783725, **F** +30 2310783326 | [www.esha.gr](http://www.esha.gr) • [info@esha.gr](mailto:info@esha.gr)



EN ISO 9001:2008  
Cert. No. 405/D/2010

EN ISO 14001:2004  
Cert. No. EN 47/P/2010