



# Esha COAT 6S

## ELASTIC BITUMINOUS WATERPROOFING EMULSION

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

### GENERAL DESCRIPTION

**EshaCoat 6S is a high grade elastic bituminous waterproofing emulsion** based on purified bitumen, synthetic latex, resins and additives. It is used for waterproofing of every surface and particularly concrete. It provides a continuous elastic waterproofing film with excellent adhesion to construction materials. Because of its elasticity the final film covers all existing surface cracking and can bridge any future forming cracking. It is user-friendly as it does not contain organic solvents and is dissolved with water.

### USES

**EshaCoat 6S** is widely used for waterproofing and protection of flat roofs, balconies, floors, bathrooms, side walls, basements and underground structures. It is also commonly used to create a vapour barrier for insulating materials as well as a carbonation barrier for concrete structures.

**EshaCoat 6S** is compatible with concrete, light weight concrete, asbestos cement, brick, stones, metal, polyurethane, polystyrene and plasterboard.



### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

Surfaces should be regular, dust free, clean from oils and foreign matter. **EshaCoat 6S** can be applied on a damp (not wet) substrate.

#### 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.
- 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.

**Attention:** *EshaCoat 6S must not be applied during frost or when the temperature is below 5°C.*

#### CONSUMPTION

In the first layer, **EshaCoat 6S** is diluted with water up to 50% (priming). 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.

#### CLEANING OF TOOLS

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



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WATERPROOFING EMULSION

## TECHNICAL CHARACTERISTICS

**EshaCoat 6S** is a thick paste in its initial physical condition. After application, an elastic membrane is formed as a result of its water content evaporation. The final membrane is continuous, elastic, does not shrink neither becomes brittle, and is not affected by

cold or heat. It is resistant to weak acid and alkali solutions, most common chemical agents contained in the soil. It is affected by mineral oils

PROPERTIES	NOMINAL VALUE	TEST METHOD
PHYSICAL APPEARANCE	Thixotropic Paste	Observation
COLOR	Brown - Black	Observation
DENSITY	0.95 ± 0.1 g/cm <sup>3</sup>	ASTM D-1475
RESIDUE BY EVAPORATION	> 50 %	Evaporation
Softening point of dry film	> 90° C	ASTM D-36
Heat resistance	> 160° C	ASTM D-2939
Elongation before aging	> 180° C	ASTM D-412
Elongation after aging	> 150° C	
Tack free time	< 4 h	ASTM D-2377
Cold bending flexibility	≤ - 5° C	DIN 52123
Aging resistance (24 h)	No change	ASTM G-23
Gap bridging under pressure (0,5 bar , 8h , 3mm thick)	No leakage	AIB 1.997 Annex III Column 5
PH	8	PH-meter

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 6S 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 dpt.

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.

## PACKING

In pails of **18 kg** and drums of **180 kg**.

## STORAGE

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

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