



we know how
since 1962

WATERPROOFING COATINGS BITUMINOUS EMULSIONS

ESHACOAT 6S

Elastomeric bituminous waterproofing emulsion



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. The final membrane formed is continuous and elastic, insoluble in water, does not shrink, does not crack, and is not affected by cold or heat. It is resistant to dilute acid and base solutions, but is affected by petroleum products. It is not affected by common chemical compounds found in the subsoil. Due to its high elasticity, final film covers all existing surface cracking and can bridge any future forming cracking.

EshaCoat 6S is userfriendly as it does not contain organic solvents (**VOC FREE**) and is dissolved with water

EshaCoat 6S is widely used for:

- Waterproofing and protection of flat roofs, balconies, floors, bathrooms, side walls, basements and underground structures.
- Creation of a vapour barrier for insulating materials as well as a carbonation barrier for concrete structures.
- As primer for torching bituminous waterproofing membranes.

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

STORAGE

EshaCoat 6S 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

CHARACTERISTICS/ADVANTAGES

- ▶ Elastic behaviour
- ▶ Excellent waterproofing
- ▶ Excellent adhesion to construction materials
- ▶ Water soluble - User-friendly

Alfa-Alfa Energy S.A.

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APPLICATION PROCEDURE

WEATHER CONDITIONS

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 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 crisscross 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.

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 surface porosity, texture, and the desired finish.

Indicatively:

- Primer for Bituminous Membranes: 0.2 – 0.4 kg/m²
- Vapor Barrier: 0.5 – 0.7 kg/m² per coat (minimum 2 coats required).
- Waterproofing of Walls & Foundations: 1.5 – 2.5 kg/m² total (applied in multiple layers).
- Roof Waterproofing: 2.5 – 3.6 kg/m² total (applied in multiple layers).

Dilution Guidelines:

- First coat (Priming): Recommended dilution up to 50% with water.
- 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: UH20-X08W-S00Q-004M

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
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TECHNICAL CHARACTERISTICS

PROPERTIES	T*	NOMINAL VALUES	TEST METHOD	UNITS
Physical State	---	Bituminous Elastomeric Waterproofing emulsion	MDV	---
Color	---	Brown - black	Observation	---
Density	± 0.10	0.95	ISO 12185	g/cm ³
pH Value	± 2	9	ISO 976	---
Solid Content	---	58	EN ISO 3251	%
Type of Bituminous Binder	± 2	Bitumen 50/70	MDV	---
Type of Modifier	---	Natural Latex	MDV	---
Softening point	---	≥ 80	EN1427	°C
Dynamic Indentation Resistance	≤	I-1	EOTA TR-006	---
Static Indentation Resistance	≤	L-1	EOTA TR-007	---
Dynamic Indentation Resistance at low Temperature	≥	-10	EOTA TR-007	°C
Elongation before ageing	>	180	ASTM D-412	%
Resistance to Fire	≤	F	EN 13501-1	---
Tack free time	<	4	ASTM D-2377	h
Cold bending flexibility	≤	-5	DIN 52123	°C
Gap bridging under pressure (0,5 bar, 8h, 3mm thick)	---	No Leakage	AIB 1.997 Annex III Column 5	---

(*) 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 ₂ permeability coefficient CO ₂ - S _D , m	> 160	> 50	EN 1062-6:2002
Vapor permeability coefficient - S _v , m	≥ 51	> 50 for class III	EN ISO7783:2018
Water permeability coefficient - W, kg/(m ² *h ^{0.5})	< 0.03	< 0.1	EN 1062-3:2008
Detachment force, N/mm ²	≥ 1.6	≥ 1.5 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.