



we know how
since 1962

WATERPROOFING COATINGS BITUMINOUS SOLUTIONS

ESHAROOFCOAT No 10

Hyper-elastic bituminous waterproofing solution



GENERAL DESCRIPTION

EshaRoofcoat No10 is an elastic waterproofing bituminous solution with synthetic elastomeric additives and anti-hydrophilic components. It is a high-performance material for waterproofing and protecting concrete and metal surfaces.

When dry, it forms a continuous elastic film that shows excellent adhesion to most common structural elements. Because of its unique elasticity (1400%) it effectively covers the capillary cracks of the substrate and has the ability to bridge cracks that may appear in the future..

EshaRoofcoat No10 is used for:

- Waterproofing and protection of flat roofs, balconies, walls, foundation elements and concrete or metal surfaces.
- Creation of a vapour barrier
- Revitalization of old asphalt layers with which it is completely compatible. Applied to clean membranes, it creates a uniform and elastic surface that seals any existing cracks and at the same time stabilizes their self-protecting mineral materials.
- Bonding of asphalt membranes, where it is used as a primer (adhesive).

EshaRoofcoat No10 is compatible with concrete, light weight concrete, asbestos-cement, brick, stones, metal, plasterboard and polyurethane. It is not compatible with polystyrene due to its organic solvents content

STORAGE

EshaRoofcoat No10 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 18 Lt and drums of 180 Lt.

CHARACTERISTICS/ADVANTAGES

- Unique elasticity
- Perfect adhesion
- Excellent waterproofing result
- Application to concrete and metal surfaces

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. It is not recommended for exposure to solar radiation.

SURFACE PREPARATION

Surfaces should be regular, dry, dust free, clean from rust, foreign matter and loose materials.

APPLICATION

A. Waterproofing of surfaces / Revitalization of old asphalt layers

- Mix well before use.
- It is cold applied in at least two layers by roller, 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, in order to avoid solvent vapor inclusion between the layers. For the same reason one thick layer should be avoided.
- 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 cover **EshaRoofcoat No10** with **EshaLumin** bituminous aluminium paint, which functions as solar reflective barrier.

B. Priming for application of bituminous waterproofing membranes

- Adhesion of bituminous membranes with a torch on a surface primed with EshaRoofcoat 10 should start only after all solvent content has evaporated (at least 24 hours after surface priming has finished).

CURING TIME

In practice, each coat requires approximately 2–3 hours to dry during the summer months and 6–8 hours during the winter months, depending on the prevailing weather conditions, particularly ambient temperature and relative humidity. For optimum drying performance, the application of thick coats should be avoided.

CLEANING OF TOOLS

Tools are cleaned with gasoline.

CONSUMPTION

For concrete surfaces it is recommended to dilute **EshaRoofcoat No10** with an organic solvent up to 15 – 20% in the first layer. If dilution is needed in subsequent layers then 10% is recommended. In both cases consumption ranges between 0.3 – 0.5 kg/m² per layer, depending on the surface type and porosity.



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PRECAUTIONS

EshaRoofcoat 10 contains inflammable solvents. It must not be applied or kept near sources of heat and ignition. Vapour inhalation must be avoided. Ventilate well during application. Always wear suitable gloves and eye-face protection during use because it is irritating to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In liquid form it pollutes the water. It should not be disposed to the ground but be treated according to the relevant regulations.

European Emergency Tel.: 112

UFI: E330-G03P-X005-ND72

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	T*	NOMINAL VALUE	UNIT
Physical appearance	MDV	---	Bituminous Elastomeric Waterproofing Solution	---
Color	Observation	---	Black	---
Density	ISO 12185	± 0.01	0.95	g/cm ³
Flash point of solvents	EN ISO 2592	<	21	---
% Solids	EN ISO 3251	± 2	65	%
Vapor diffusion coefficient	EN 1931	≥	20000	---
Dynamic Indentation Resistance	EOTA TR-006	≤	I-1	---
Static Indentation Resistance	EOTA TR-007	≤	L-1	---
Dynamic Indentation Resistance at low Temperature	EOTA TR-007	≥	-10	°C
Reaction to fire	EN 13501-1	≤	F	---
External fire performance	EN 1187	≤	Froof	---
Elongation	EN 12311-1	>	800	%
Point of Penetration	EN 1426	± 10	35	dmm
Softening point	EN 1427	≥	110	°C
Elastic recovery	EN 13398	>	80	%
Ductility	ASTM D113	>	75	cm

T*: Fluctuations in nominal values

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.