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since 1962

WATERPROOFING COATINGS BITUMINOUS EMULSIONS

ESHALAC 50S

Penetrating waterproofing bituminous varnish/primer



GENERAL DESCRIPTION

ESHALAC 50S is a bituminous varnish used mainly for priming concrete surfaces to increase bonding of bituminous waterproofing membranes.

ESHALAC 50S is an ideal primer because it penetrates deeply and fast inside the surface pores due to its low viscosity and its antistripping agents.

When dry, it forms a hard and uniform water repellent film which is not affected by weak acid and alkali solutions.

USES

- Surface priming
- Waterproofing and protection of external concrete surfaces
- Anticorrosive protection of metallic surfaces

Attention: The material should only be used in open spaces or in areas with optimum ventilation.

ESHALAC 50S is compatible with polyurethane, concrete, lightweight concrete, asbestos cement, brick, stones, metal, wood and plasterboard. It is not compatible with polystyrene because it contains organic solvent.

INSTRUCTION OF USE

Surface preparation

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

Application

Primer for application of bituminous waterproofing membrane.

One layer is sufficient. Adhesion of bituminous membranes with a torch on a surface primed with **ESHALAC 50S** should start only after all the solvent content has evaporated (at least 24 hours after surface priming has finished). For vertical surfaces (e.g. parapets) it is recommended to

CHARACTERISTICS/ADVANTAGES

- Ideal primer because it penetrates deeply and fast
- Application on Concrete and Metal
- Excellent Waterproofing
- Exceptional Adhesion

Alfa-Alfa Energy S.A.

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apply at least two layers of **ESHALAC 50S**.

Waterproofing of concrete surfaces/ anticorrosive protection of metallic surfaces

It is recommended to apply at least two layers. Each new layer is applied in a criss-cross pattern with respect to the previous one, when the latter is dry.

Application temperature should be higher than 5°C. Waterproofing should be carried out by technicians, properly trained and certified in the bituminous membranes application.

CLEANING OF TOOLS

Tools are cleaned with organic solvent.

CONSUMPTION

For concrete surfaces consumption ranges between 0.200 - 0.400 Lt/m² per layer, depending on the surface type and porosity. When used for protection of metallic surfaces consumption ranges between 0.100 - 0.200 Lt/m² per layer.

PACKING

In pails of 1Lt, 5Lt & 18Lt and drums of 180Lt.

PRECAUTIONS

Danger. Highly flammable liquid and vapour. Causes skin irritation. Suspected of damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wear respiratory protection. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains toluene.

European Emergency Tel.: 112

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



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	T	NOMINAL VALUES	UNIT	TEST METHOD
Physical State	(-)	Low viscosity liquid	(-)	Observation
Color	(-)	Black	(-)	Observation
Density	±0.02	0.95	g/cm ³	According to Requirements of ASTM D-41
Furol Viscosity at 25°C	(-)	25 -150	sec	
Flash Point	≤	21	(-)	
Ash Content Residue	≤	2	%	
Penetration of Residue at 25°C	(-)	20 -50 dmm	dmm	
Solubility of RESidue in CS ₂	≥	99	%	
Water Immersion Resistance	(-)	No change or bubbles	(-)	
Flow Resistant at 80°C	(-)	No flow or bubbles	(-)	
Residue after evaporation	± 2	65	%	EN ISO 3251
Dynamic Indentation Resistance	≥	I-1	(-)	EOTA TR-006
Static Indentation Resistance	≥	L-1	(-)	EOTA TR - 007
External Fire Performance (*)	≤	Froof	(-)	En 1187
Reaction to fire	≤	F	(-)	EN 13501-1

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.