



we know how
since 1962

WATERPROOFING COATINGS
BITUMINOUS ANTIROOT SOLUTIONS

ESHAROOFCOAT No 10 ANTIROOT B5

Hyper-elastic bituminous waterproofing solution
with antiroot properties



GENERAL DESCRIPTION

EshaRoofcoat No10 Antiroot B5 is a high grade, hyper-elastic bituminous waterproofing solution. It is composed of purified bitumen, synthetic elastomers, resins, and anti-stripping agents. It contains toluene.

EshaRoofcoat No10 Antiroot B5 is designed for waterproofing applications in hanging gardens, flower containers, retaining walls or for all the applications where there is a threat from seeds & root growth. It's unique formula, incorporates **Preventol B5** antiroot additive that is exclusively used and proven to be for many years now an effective protection against root penetration.

When dries, it forms a continuous elastic film that shows excellent adhesion to most common structural elements. Because of its unique elasticity (1400%) it exhibits excellent crack-bridging properties.

Furthermore, it is used for regeneration of old bitumen layers, where seeds growth was occurred. It's high elasticity ensures reliable bonding with the substrate. It can also be used as primer for the adhesion of antiroot bituminous membranes maximizing the total root penetration protection.

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

EshaRoofcoat No10 Antiroot B5 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 Antiroot B5 should be stored in protected areas where temperature is maintained above 5°C. Preserved in sealed containers for over one year.

CHARACTERISTICS/ADVANTAGES

- ▶ Anti-root properties
- ▶ Unique elasticity
- ▶ Excellent waterproofing result
- ▶ Application to concrete and metal surfaces

Alfa-Alfa Energy S.A.

ATHENS | CENTRAL OFFICES-FACORY: Aspropyrgos Beach, 193 00 Aspropyrgos, Attica | T. +30 210 5518 700
THESSALONIKI | OFFICES-WAREHOUSE: 18 Epirou Street, 570 09 Kalochoi | T. 2310 783 725
www.esha.gr • sales@esha.gr



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PACKING

In pails of 1Lt, 5Lt and 18L.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Clean the substrate in order to eliminate: dust, crumbly parts, foreign or bonding proof matters. The application must be done on dry surfaces & supports. Check foundation for rising or enclosed humidity in order to avoid onset of bubbles due to vapor pressure.

A practical method to check hidden wet pressure in the substrate is the following: Cover a square meter of the surface -better when exposed to the sun- with a PE film of almost 2 tenths thick, fully sealing it at edges with double bond tape. After 24-48 h check the possible water condensation under the PE film

APPLICATION

The product is ready to use. It is suggested to apply at least 4 coats to achieve an even finish and ensure on the same time very good resistance to future roots penetration.

It is cold applied by roller, brush or spatula or trowel. Please apply it at temperature between +5 to +35°C

Each new layer is applied in a criss-cross pattern with respect to the previous one, when the latter is fully dry, in order to avoid solvent vapor inclusion between the layers. For the same reason one thick layer should be avoided.

PRIMING FOR APPLICATION OF ANTIROOT BITUMINOUS WATERPROOFING MEMBRANES

Adhesion of bituminous membranes with a torch on a surface primed with **EshaRoofcoat No10 Antiroot B5** should start only after all solvent content has evaporated (at least 24 hours after surface priming has finished).

Note: Root resistance properties of the product does not guaranty that it is resistant to all types of roots. For specific plant information please seek a botanic expert advice.

CLEANING OF TOOLS

Tools are cleaned with gasoline.

CONSUMPTION

For concrete surfaces it is recommended to dilute **EshaRoofcoat No10 Antiroot B5** with an organic solvent up to 15 - 20% in the first layer and 10% in the subsequent layers. Consumption ranges between 0.3 - 0.5 lt/m² per layer, depending on the surface type and porosity. For better anti root protection a dry film of 2.0 mm is required.





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PRECAUTIONS

EshaRoofcoat No10 Antirroot B5 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 accord

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.



*Left: Waterproofing without the use of anti-root protection.
Right: Waterproofing using EshaRoofCoat No10 - Antirroot. B5*

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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ANTIROOT B5

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TECHNICAL CHARACTERISTICS

PROPERTIES	TEST METHOD	T*	NOMINAL VALUE	UNIT
Physical appearance	MDV	---	Bituminous Elastomeric Waterproofing Solution	---
Color	Observation	---	Black	---
Density	ASTM D-1475	± 0.05	0.95	g/cm ³
% Solids	Εξάτμιση	---	35	---
Flash point of solvents	ASTM D-92	≤	21	°C
Flash point of dry film	ASTM D-92	≥	200	°C
Softening point of dry film	ASTM D-36	≤	80	°C
Elongation	ASTM D-412	≤	1000	%
Water absorption	AASHTO T-238	---	0.05	%
Water pressure resistance	DIN 16726	---	0.15	MPa
Tack free time	ASTM D-2377	---	4	h
Impact resistance Falling height 300mm, 0°C Falling height 200mm, 20°C	ISO 6272	---	No Crack	---
Gap bridging under pressure (0.5bar, 8h, 3mm thick) Gap 3mm, 0°C Gap 3mm, 20°C	AIB L997 Annex III Column 5	---	No Leakage	---
Concrete adhesion Curedfar 1day at 70°C Curedfar 7days at 70°C Curedfar 28days at 70°C	ASTM D-429	---	> 0.15 > 0.20 >0.40	N/mm ²

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.