



## ROOFCOAT No10 ANTIROOT B5

**HYPER-ELASTIC BITUMINOUS  
WATERPROOFING SOLUTION WITH  
ANTI-ROOT PROPERTIES**

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

### GENERAL DESCRIPTION

**ESHAROOFCOAT No 10 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 No 10 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 Bayer's<sup>(R)</sup> 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.

### USES

**ESHAROOFCOAT No 10 ANTIROOT B5** is an excellent material for independent waterproofing of hanging gardens, flower containers, retaining walls & roof gardens. 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 anti-root 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 No 10 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.



*Bituminous Waterproofing without and with antiroot additive Preventol B5.*



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### 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

### PRECAUTIONS

- **ESHAROOFCOAT No 10 ANTIROOT 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 according to the relevant regulations.

*For more information please ask material's safety data sheet from ESHA*

between the layers. For the same reason one thick layer should be avoided.

#### PRIMING FOR APPLICATION OF ANTI-ROOT BITUMINOUS WATER-PROOFING MEMBRANES

Adhesion of bituminous membranes with a torch on a surface primed with **ESHAROOFCOAT No 10 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.

#### CONSUMPTION

For concrete surfaces it is recommended to dilute **ESHAROOFCOAT No 10 ANTIROOT B5** with an organic solvent up to 15 - 20% in the first layer. Consumption ranges between 0.3 - 0.5 kg/m<sup>2</sup> per layer, depending on the surface type and porosity. For better anti root protection a dry film of 2,0mm is required.

#### CLEANING OF TOOLS

Tools are cleaned with organic solvent.

### PACKING

In pails of 4 kg and 17 kg.

### STORAGE

At least for one year in sealed containers. Store in dry environment. Do not expose to heat sources.



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### TECHNICAL CHARACTERISTICS

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

Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.

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.*

Alfa-Alfa Energy S.A.  
ATHENS/CENTRAL OFFICES-FACORY: Aspropyrgos Beach, 193 00 Aspropyrgos, Attica  
T +30 2105518700, F +30 2105572974 | SALONICA/OFFICES-WAREHOUSE: 18 Epirou Street,  
570 09 Kalochori, Salonica, T +30 2310783725, F +30 2310783326 |  
www.esha.gr • info@esha.gr

