



# Esha ROOFCOAT 10

## 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 10 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 anti-root additive that is exclusively used and proven to be for many years now an effective protection against root penetration. When dry, 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.

### 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 the material's MSDS from Esha

### PACKING

In pails of 17 kg and drums of 170 kg.

### STORAGE

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



PHOTO: Bituminous Waterproofing without and with antiroot additive Preventol B2.



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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 28-48 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. 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 ANTI-ROOT BITUMINOUS WATERPROOFING 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 do 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.

### TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUE	TEST METHOD
PHYSICAL APPEARANCE	Viscous liquid	Observation
COLOR	Black	Observation
DENSITY	0.95 ± 0.05 gr./cm <sup>3</sup>	ASTM D-1475
SOLVENTS CONTENT	40 %	By Evaporation
Flash point of solvents	≤ 21° C	ASTM D-92
Flash point of dry film	≥ 200° C	ASTM D-92
Softening point of dry film	> 110° C	ASTM D-36
Elongation	> 1000 %	ASTM D-412
Water absorption	≤ 0.05 %	AASHTO T-238
Water pressure resistance	≥ 0.15 Mpa	DIN 16726
Touch free time	< 4 h	ASTM D-2377
Impact resistance		
Falling height 300mm, 0° C	No crack	ISO 6272
Falling height 200mm, 20° C		
Gap Bridging under pressure (0.5 bar, 8h, 3mm thick)		
Gap 3mm, 0° C	No leakage	AIB 1.997 Annex III Column 5
Gap 3mm, 20° C		
Concrete adhesion		
Cured for 1 day at 70° C	> 0.15 N/mm <sup>2</sup>	ASTM D-429
Cured for 7 days at 70° C	> 0.20 N/mm <sup>2</sup>	
Cured for 28 days at 70° C	> 0.40 N/mm <sup>2</sup>	

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.*

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