DESMOLAST HRD

ONE COMPONENT, ALIPHATIC, SOLVENT-BASED, POLYURETHANE LIQUID-APPLIED COATING

- **Elastic behaviour**
- **Excellent adhesion to substrates**
- **High resistance to mechanical strains and friction**
- **Excellent resistance to pedestrian and vehicular traffic**
- **Excellent resistance to UV radiation and moisture exposure**
- **Excellent resistance to temperature variation**

GENERAL DESCRIPTION

ESHADESMOLAST HRD is one component, solvent-based waterproofing coating for horizontal surfaces subjected to high mechanical stress, based on aliphatic polyurethane resins. It is used as a top coat above ESHADESMOLAST in order to provide long lasting protection against UV radiation. It is especially suitable for waterproofing surfaces designed to have high mechanical stress and heavy human traffic.

USES

ESHADESMOLAST HRD is recommended as:

- Final protection layer over ESHADESMOLAST cured waterproofing membranes.
- Pedestrian walkways.
- Exposed car parking areas.
- Stadium, etc.

APPLICATION PROCEDURE

Weather conditions
Avoid rainy weather and temperatures below 5 °C.

Surface Preparation
Surfaces should be regular, free from loose particles and dust, clean from oils and foreign matter. Blow them with compressed air. Avoid cleaning with water.

Application
- **ESHADESMOLAST HRD** is cold applied by roller, brush or airless spray gun in one to two layers. Each new layer is applied in a criss cross pattern with respect to the previous one, when the latter is dry. Time interval between two layers is at least 3-4 h and not more than 48 h. However, this largely depends on environmental conditions.
- A consumption of 0.150-0.200 kg/m^2 is recommended. The final consumption depends on the surface's roughness and porosity.

Curing time
12 to 24 h depending on environmental conditions.

Attention:
DesmoLast must not be applied during frost or when the temperature is below 5 °C.

Cleaning of Tools
Tools cleaning is made with xylene or by mechanical means if the material is dry.

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TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUE	TEST METHOD	UNIT
Film Forming Time	2 (depending on weather conditions)	–	hrs
Color	White, Grey (any other upon request)	Observation	–
Density	1.10 ± 0.05	ASTM D 1475	g/cm^3
Elongation at break point	150	DIN 53504	%
Tensile strength (max)	4.64	DIN 53504	N/mm^2
Hardness	SHORE D: 30	ASTM D 2240	–
Resistance to UV radiation and moisture exposure: 2000h accelerated weathering, consisting of the following cycles: 4h UV exposure, at 60°C 4h moisture exposure, at 50°C	Retains its mechanical properties and Elastic performance	ASTM G53: QUV-se accelarated weathering cyclic corrosion tester	
Resistance to temperature variation	-40 to + 80	–	°C
Application temperature	+5 to +40	–	°C

PRECAUTIONS

Flammable. Do not inhale vapors. Avoid contact with eyes and skin. In case of contact with eyes wash them immediately with plenty of water and ask for medical advice. Wear protective rubber gloves & safety spectacles. In case of an accident or if you feel unwell ask for medical advice. Should not be used in spaces with insufficient ventilation. Keep away from heat, sparks and flame. Do not smoke during handling or use. Keep away from children. Keep only in the original container, tightly closed and dry in cool and well-ventilated place. Protect from moist, direct sunlight and heat. For professional use only.

For analytical information please refer to the material's MSDS

SELF-LIFE / STORAGE

If kept in original containers, it can be applicable at least 12 months after production date. Store in protected and well ventilated place. Once the container is opened, it has to be fully utilized.

PACKING

In pails of 1kg, 5 kg and 20 kg.

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

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