

HYPERDESMO[®]-A500

One component, non-yellowing, elastic, polyurethane top-coat for waterproofing & protection.

DESCRIPTION

HYPERDESMO[®]-A500 is a fully aliphatic, one component, polyurethane fluid. Upon curing it produces a tough but highly elastic non-yellowing membrane. It contains pigments and special inorganic fillers which result in excellent mechanical, chemical, thermal, UV and natural element resistance properties.

It is used as a top-coat to the **HYPERDESMO[®] System**, offering increased UV resistance and colour protection.

HYPERDESMO[®]-A500 does NOT yellow or wear out when exposed directly to sunlight (it is aliphatic) even in dark colours, e.g. red.

Apply using brush, roller or airless spraying. Consumption: 0.2-0.5 kg/m².

RECOMMENDED FOR

Top-coating of the **HYPERDESMO[®] System** (for colour protection), and, **HYPERDESMO[®]-100** & **HYPERDESMO[®]-750** (for membrane protection).

FEATURES & BENEFITS

- Excellent weather and UV resistance, no yellowing (it is fully aliphatic).
- Excellent mechanical properties, high elasticity, tensile and tear strength.
- Highly hydrophobic.
- Excellent chemical and hydrolysis resistance.

APPLICATION PROCEDURE

Mixing:

Use a low speed (300 rpm) mixer. Add SOLVENT-01 5-10% for application by spraying.

Application:

By brush, roller or airless spraying, within 72 hours of application of the main membrane.

CONSUMPTION

0.2-0.5 kg/m².

CLEANING

Clean tools and equipment first with paper towels and then using SOLVENT-01. Rollers will not be re-usable.

PACKAGING

1 kg, 5 kg and 20 kg drums.

SHELF LIFE

Can be kept for minimum 12 months in the original unopened pails in dry places and at temperatures of 5-25 °C. Once a pail has been opened, use as soon as possible.

SAFETY INFORMATION

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

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TECHNICAL SPECIFICATIONS

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (BROOKFIELD)	cP	ASTM D2196-86, @ 25 °C	200-600
Density @ 20 °C	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811	1.2
Hardness	Shore A	ASTM D2240	75
Tensile strength	N/mm ²	ASTM D412	10
Tensile strength at break @ 23 °C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	55
Percent elongation	%	ASTM D412	> 500
Thermal resistance (100 days @ 80 °C)	-	EOTA TR011	passed
QUV Accelerated Weathering Test	-	ASTM G53	passed (2000 hours)

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