

# HYPERDESMO- A500<sup>®</sup>

## One component, non-yellowing, Elastic Polyurethane Coating For Waterproofing and Protection

### DESCRIPTION

**HYPERDESMO-A500<sup>®</sup>** is a fully aliphatic one component Polyurethane for waterproofing and protection.

Upon curing it produces a tough but highly elastic non yellowing membrane with excellent adhesion to most substrates.

**HYPERDESMO-A500<sup>®</sup>** is prepared with pigments and special inorganic fillers and therefore it may be used as a top coat to **Hyperdesmo Series** (for color protection) or on its own as a waterproofing membrane.

### RECOMMENDED FOR

#### 1. Waterproofing and protection of:

- Roofs
- Balconies
- Light Roofing from metal or fibrous cement
- PU foam protection
- Elastic paint

#### 2. Top Coat for Hyperdesmo<sup>®</sup> System and Hyperdesmo 700<sup>®</sup> system

### FEATURES & BENEFITS

- Excellent adhesion on almost any surface.
- Excellent weather Resistance
- Fully Aliphatic- No yellowing upon exposure to UV!
- Excellent Mechanical Properties- High Tensile and Tear Strength
- Very good Elasticity
- Excellent Chemical Resistance
- Highly hydrophobic.
- Already Charged with pigments and fillers for best protection.

### SURFACE PREPARATION

#### Application for Protection of Hyperdesmo and Hyperdesmo 700 Systems:

**HYPERDESMO-A500<sup>®</sup>** is applied a maximum of 72 hours after application of Hyperdesmo has taken place.

#### Application on its own:

#### It can be successfully applied on:

Concrete, fibrous cement, mosaic, cement roof tiles, old (but well adhered) acrylic and asphalt coats, wood, corroded metal, galvanized steel.

#### Concrete substrate conditions (standard):

- Hardness: R<sub>28</sub> = 15Mpa
- Humidity: W < 10%
- Temperature: from 5 °C - 35 °C
- Relative humidity: < 85%

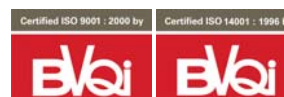
#### PRIMER selection for other, different conditions and substrates:

- Humid substrate: Aquadur<sup>®</sup> or UNIVERSAL-Primer-2K 4060<sup>®</sup>
- Substrate with high porosity: Primer Pu<sup>®</sup>
- Humid substrate with high porosity: Aquadur<sup>®</sup> or UNIVERSAL-Primer-2K 4060<sup>®</sup>
- No porous like marble: Aquadur<sup>®</sup> or UNIVERSAL-Primer-2K 4060<sup>®</sup>
- Negative pressure or rising humidity (tanks): Aquadur<sup>®</sup>
- Steel - galvanized steel - Aluminum: Aquadur<sup>®</sup> or UNIVERSAL-Primer-2K 4060<sup>®</sup>
- Wood: no Primer or Primer Pu<sup>®</sup>.
- Recoating after several days: UNIVERSAL-Primer-2K 4060<sup>®</sup>.

**Recommendation:** When using Universal Primer 2K 4060 on non-porous concrete substrates, it is recommended that the primer be thinned with 5-20 % solvent-01 prior to use.

#### PLACING:

Use roller, brush or air-less spray machine.



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## PRECAUTIONS

**HYPERDESMO-A500<sup>®</sup>** contains volatile flammable Solvents. Apply in well-ventilated areas. Don't smoke. Apply far away from naked flames. In closed areas use force ventilation and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. Ask for MSDS (Material Safety Data Sheet)

## CONSUMPTION

As a top coat : 0.2-0.5 Kg/m<sup>2</sup>  
 As a waterproofing membrane on its own: 1.2-1.5 Kg/m<sup>2</sup>

## CLEANING

Clean tools and equipment first with paper towels and then wipe by using **Solvent-01<sup>®</sup>**.

## PACKAGING

1Kg, 5 kt, 20 Kg pails.

## SHELF LIFE

**HYPERDESMO-A500<sup>®</sup>** can be kept for minimum 12 months in the original unopened pails at a temperature of 5 °C - 25 °C in dry places. When you open a pail try to use it immediately, otherwise it cures with humidity.

## TECHNICAL SPECIFICATIONS

PROPERTY	METHOD	SPECIFICATION
Density (gr/cm <sup>3</sup> ) at 20°C	ASTM D1475 / DIN 53217 / ISO 2811	1.2
Viscosity (cps)	ASTM D2196-86, at 25°C	500-1000
Tensile Strength (N/ mm <sup>2</sup> )	ASTM D412	10
Percent Elongation (%)	ASTM D412	>500
Hardness (Shore A)	ASTM D2240	75
-Thermal Resistance (100 days, 80°C)	EOTA TR011	Passed
-QUV Accelerated Weathering Test	ASTM G53	Passed ( 2000 hours

None of our instructions and specifications in writing is binding in general and with respect to any third parties protective rights in particular, or do they relieve you of your duty to subject our products to an adequate examination with regard to their suitability.

