

## AQUASMART®-PU PRIMER 2K

### Two-component, Polyurethane water based, low viscosity, 1:1 by volume, quick curing primer

#### DESCRIPTION

**AQUASMART®-PU PRIMER 2K** is a revolutionary polyurethane water based primer formulated by Alchimica research and development laboratory based on the very successful idea of 1:1 by volume mixing ratio of products such as AQUASMART -DUR. The product is unique also in the fact that it is 100% polyurethane and can be applied on damp concrete. The drying time is fast making this primer an ideal same day primer for even difficult main coat applications such as POLYUREA based materials.

**AQUASMART®-PU PRIMER 2K** is a zero voc product and non-IMO for transportation.

#### RECOMMENDED FOR

- Primer for HYPERDESMO POLYUREA 2K HC and other polyurea based materials.
- Primer for HYPERDESMO and AQUASMART based products on concrete substrates
- Fast curing primer requirements
- Non-IMO for transport

#### FEATURES & BENEFITS

- 1:1 By volume application ratio
- Quick curing even at lower temperatures
- Low-odor, safe and non-flammable (zero VOC), non-IMO
- Suitable for application in closed spaces.
- Easy clean-up.
- Strong adhesion even on damp or green concrete.

#### APPLICATION PROCEDURE

##### Mixing:

Mix the two components well manually or using a low speed (300 rpm) mixer.

#### Application:

- As primer –



Application in thin coats only. Apply with roller in one or two coats with total maximum consumption of 150 gr/m<sup>2</sup>.

- Pot life of mixture is 25 minutes maximum at 25 °C.
- Hot concrete should be wetted before application.

#### CONSUMPTION

- As primer – Apply in one or two thin coats with total consumption of **150 gr/m<sup>2</sup>**.

#### CLEANING

Clean tools and equipment first with paper and then using water immediately or if left with SOLVENT-01. Under no circumstances should they be re-used to mix/apply polyurethane products.

#### PACKAGING

Component A: 1 Lit, 4 Lit

Component B: 1 Lit, 4 Lit

#### SAFETY INFORMATION

AQUASMART-PU primer 2k is free of solvents. Nevertheless, you are advised to observe the standard safety rules: Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. The M.S.D.S. (Material Safety Data Sheet) is available on request.

## AQUASMART®-PU PRIMER 2K

### TECHNICAL SPECIFICATIONS

#### In liquid form (before application, after mixing):

Component A – brown liquid

Component B – milky white low viscosity liquid

| PROPERTY                                 | UNITS              | METHOD                                     | SPECIFICATION |
|--|--------------------|--|---------------|
| Viscosity (Brookfield) of mixed product  | cP                 | ASTM D2196-86, @ 25 °C                     | 50-100        |
| Specific weight                          | gr/cm <sup>3</sup> | ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C | 1.05-1.15     |
| Mixing ratio                             | A:B, by volume     | -  | 1:1           |
| Tack free time, @ 77 °F (25 °C) & 55% RH | hours              | -  | 1-2           |
| Recoat time                              | hrs                | -  | 2-24          |
| Pot life                                 | minutes            | -  | 25 @ 25 °C    |

#### In cured form (after application):

| PROPERTY                | UNITS                                      | METHOD     | SPECIFICATION |
|-------------------------|--|------------|---------------|
| Application Temperature | °C   | -          | 5-40          |
| Adhesion to concrete    | kg/cm <sup>2</sup><br>(N/mm <sup>2</sup> ) | ASTM D4541 | > 30<br>(> 3) |

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