

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/m².

- 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/m²**.

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

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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	100
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	1.0
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 ² (N/mm ²)	ASTM D4541	> 30 (> 3)

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