

## MICROPRIMER-PU

### Low Viscosity, Aliphatic, Non-Staining Polyurethane Based Primer / Concrete Sealer, for both Porous & Non-Porous Substrates

#### DESCRIPTION

**MICRPRIMER** is a one component, low viscosity, 100% aliphatic polyurethane based primer suitable for all substrates.

It is characterised by its very low viscosity, excellent impregnation, non-yellowing (non-staining) properties combined with a relatively fast cure speed and most importantly its excellent adhesion on both non-porous and porous substrates. The cured film displays good mechanical properties: Its elongation is >50%, and its tensile strength surpasses 40 N/mm<sup>2</sup>.

Apply with brush or roller. Consumption: 50-200 gr/m<sup>2</sup>, subject to substrate porosity.

#### COMPLIANCE

The adhesion strength of MICROPRIMER exceeds the requirements of EOTA (European Organization of Technical Approval).

#### RECOMMENDED FOR

To be used as **primer** for:

- Hyperseal Sealants when a non staining primer is required
- ceramic tiles,
- non-porous substrates like glass, marble & metals.

Also, for use as **concrete sealer**.

#### FEATURES & BENEFITS

- 100% Aliphatic Polyurethane; No yellowing, No staining
- One component.
- Of low viscosity.

- Relatively quick curing
- Adheres strongly, even on glassy, non-porous substrates.
- Excellent wetting, impregnation and paint-over time.
- Many pigment pastes available.

#### APPLICATION PROCEDURE

Clean the surface using a high pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. On non porous surfaces use HCl acid or/and Viacal.

Apply with brush or roller depending on the surface to be primed at a consumption of 50-200 gr/m<sup>2</sup>. Ensure primer has cured before applying main membrane/sealant.

#### CLEANING

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

#### PACKAGING

1 Lt, 4 Lt, 20Lt.

#### SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25°C. Once 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



Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & OHSAS 18001.

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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.

### TECHNICAL SPECIFICATIONS

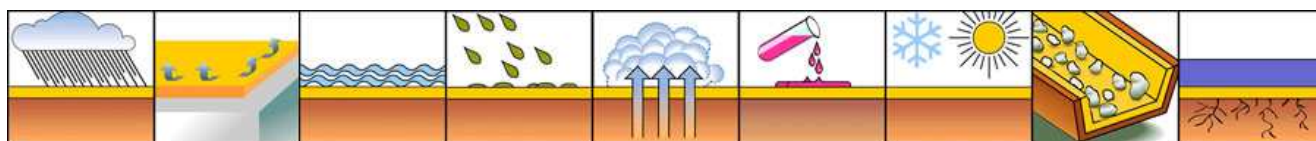
#### In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 °C	20
Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	0.9-0.95

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

PROPERTY	UNITS	METHOD	SPECIFICATION
Tensile strength at break @ 23 °C	Kg/cm <sup>2</sup> (N/mm <sup>2</sup> )	ASTM D412 / EN-ISO-527-3	400 (40)
Elongation @ 23 °C	%	DIN 52455 / EN-ISO-527-3	> 50
Dry to touch: • On DRY cement	hours	-	6
Application of main membrane	hours	-	12-24
Adhesion to cement	mPa	ASTM D1640	> 4

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