

# SDG

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CONSTRUCTION ACCESSORIES

## MICROPRIMER PU DATASHEET

ESSENTIAL COMPONENTS FOR EVERY STAGE OF CONSTRUCTION

## MICROPRIMER-PU

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

#### DESCRIPTION

**MICROPRIMER-PU** 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-PU** 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 Viakal.

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, 20 lt.

#### 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 and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the

## MICROPRIMER-PU

floor. The MSDS (Material Safety Data Sheet) is available on request.

### TECHNICAL SPECIFICATIONS

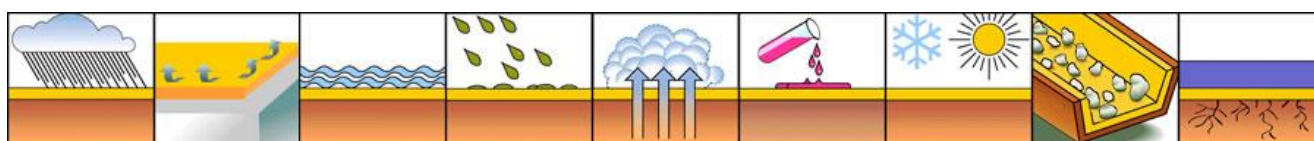
#### In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 °C	20-40
Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	0.90-0.95

#### 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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The logo for SDG, consisting of the letters 'SDG' in a bold, sans-serif font. The background of the entire page is a dark teal color with a vertical strip on the left side showing a close-up of concrete slabs with rebar.

## Get in touch

### HEAD OFFICE

21 Tullygoonigan Industrial Estate  
Moy Road  
Armagh  
BT61 8DR  
Tel: +44 (0) 28 3752 8999

### MONAGHAN OFFICE

Cornacrieve  
Emyvale  
Monaghan  
HY18 XY 46  
Tel: + 353 (47) 87 295

[sdgconstructiontechnology.com](http://sdgconstructiontechnology.com)

Email: [sales@sdg.ie](mailto:sales@sdg.ie)