



SOLSEAL Primer PU4

Polyurethane all-purpose primer

SOLSEAL Primer PU4 is a one component, polyurethane based primer suitable for all substrates. It can be used successfully on both porous or non-porous substrates.



Benefits & Features

- One component
- Low viscosity
- Easy to apply even on wet concrete
- Excellent wetting, impregnation and paint-over time
- Elastic
- Many pigment pastes available
- A low-cost solution for concrete sealing & protection.

Colour	Product Code	Size
Clear Liquid	SOLSEALPU4-5	5 Litre
	SOLSEALPU4-20	25 Litre

SOLSEAL - Liquid Applied Systems

Last Issue Date 24.11.16

Product Description

Solseal Primer PU4 is a one component polyurethane based primer suitable for many different substrates. It has very low viscosity and balanced curing speed which result in excellent wetting, impregnation and paintover time on different substrates, whether of high, low or no porosity (e.g. glass and metals). Additionally, it can be effectively used on both dry and wet concrete, even green concrete, not only as primer but also as a low-cost sealing solution, therefore increasing the durability of the substrate.

The cured film displays outstanding mechanical properties: Its elongation is >150%, and its tensile strength surpasses 35 N/mm².

Recommended Use

To be used as a primer for:

- Humid, damp or wet concrete
- Non-porous substrates

Also, for use as concrete sealer.

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.

Thinning: In order to reduce the chance of bubble formation and to help keep consumption below 500 gr/m²,

Application: Apply with brush or roller. Once cured, the main membrane (Solseal FLM) can be applied.

Technical Data

Property (Liquid Form)	Units	Method	Specification
Viscosity (BROOKFIELD)	cP	ASTM D2196-86 @ 25°C	150 - 250
Specific weight	gr/cm ³	ASTM D1475 DIN 53217 ISO 2811 @ 20°C	0.98
Property (Cured Form)	Units	Method	Specification
Tensile strength at break @ 23°C	Kg/cm ² (N/mm ²)	ASTM D412 EN-ISO-527-3	350 (35)
Elongation @ 23°C	%	ASTM D412 EN-ISO-527-3	> 150
Dry to touch: • on DRY Cement • on WET Cement	Hours	–	12 6
Application of main membrane	Hours	–	24 - 48
Adhesion to cement	mPa	ASTM D1640	> 5

Coverage

On concrete 100-500 gr/m² (subject to substrate porosity)

Storage & Shelf Life

Solseal Primer PU4 can be kept for minimum 12 months in the original unopened pails at a temperature of 5°C - 25°C in a dry place. Once open use as soon as possible.

Limitations

Will discolour when used on its own exposed. This is purely visual and does not affect the performance of the membrane.