

Solseal PU4 Primer

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 results in excellent wetting, impregnation, and paint over 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 a primer but also as a low-cost sealing solution, therefore increasing the durability of the substrate. Solseal PU4 can be used successfully on both porous or non-porous substrates.

The cured film displays outstanding mechanical properties.

Recommended Use:

To be used as a primer for:

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

Can also be used as a concrete sealer.

Application:

- 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.
- Thin PU4 in order to reduce the chance of bubble formation and to help keep consumption at 0.2kg/m².
- Apply with brush or roller.
- Once cured, the main membrane (Solseal FLM) can be applied.

Storage & Self Life:

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

Limitations:

Solseal PU4 will discolour when used on its own exposed. This is purely visual and does not affect the performance of the membrane.



- 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.

Typical Coverage (On Concrete)

0.2 kg/m² (5m²/l)

Packaging

4 & 20 Litre Containers

Technical Data:

Property	Value	Value
Property (Liquid Form)		
Appearance		Clear Liquid
Viscosity (Brookfield) (At 25°C)	ASTM D219-86	60-100 cP
Specific Weight (At 20°C)	ASTM D1475 / DIN 53217 / ISO 2811	1.8 N/mm ²
Property (Cured Form)		
Tensile Strength at Break (At 23°C)	ASTM D412 / EN ISO 573-3	350 kg/cm ²
Elongation (At 23°C)	ASTM D412 / EN ISO 527-3	>150%
Adhesion to Cement	ASTM D1640	>4 mPa
Application of Main Membrane		2-24 hrs
Dry to Touch		On Dry Cement - 1-2 hrs On Wet Cement - 1 hr