

# SikaTite® PU

Polyurethane waterproofing membrane for protected applications, under-screed, and non-exposed light foot traffic

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**Product Description** SikaTite® PU is a fast curing, single component, class 3 waterproofing membrane.

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**Uses** Protected waterproofing for use under screeds and protected application. Suitable for use on most building substrates including; concrete, render, screeds, wet area wall sheets, fibre cement sheets, brick and MDF.

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**Characteristics / Advantages**

- Excellent adhesion to most substrates
- Fast curing
- Permanently flexible
- Class III (according to AS3740)

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## Product Data

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### Form

**Appearance / Colour** Thixotropic liquid / Standard grey

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**Packaging** 15L pails

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### Storage

**Storage Conditions / Shelf Life** Store in original, unopened and undamaged, in dry conditions at temperature between +10°C and 35°C.  
A shelf life of 12 months from the date of production is achieved when stored in accordance with the above recommendations.

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### Technical Data

**Chemical Base** One component, solvent based polyurethane

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**Solid Content** ~ 67% by weight (+23°C / 50% r.h.)

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Construction



## System Information

### System Structure

### Consumption

Build-up*	Minimum of two coats at $\geq 0.7$ litres / m <sup>2</sup> applied, with second coat at 90° to the first coat
Wet Film Thickness	~ 0.7mm per coat
Dry Film Thickness	*For 1.0mm DFT (minimum)

*\*) consumption figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.*

### Application Details

#### Substrate Preparation

#### Concrete / Cementitious Substrate

For standard applications concrete should be cured for at least 28 days and be free of dust, dirt, curing compounds and other contaminants. Any cracks or voids larger than 1mm should be filled

#### Other substrates

Should be free of dust, dirt, and other contaminants.

### Priming

Substrate	Primer	Overcoat time
Porous	SikaTite® Moisture Seal 1K	30 minutes
Non-porous	SikaTite® Non-Porous Primer	30 minutes
Moist, or 'Green' (to 93% RH)	SikaTite® Moisture Seal 1K, or SikaTite® Moisture Seal 2K*. (Use SikaTite Moisture Seal 2k where there is rising moisture)	15 minutes for second coat (0-90% R.H.) 45 minutes for third coat (90-93% R.H.) Overcoat with SikaTite® membrane after 1 hour

*note: times are based upon ambient / substrate temperature and relative humidity of 18°C & 50%*

### Application Conditions / Limits

**Substrate Temperature** min. +10°C; max. 35°C

**Ambient Temperature** min. +10°C; max. 35°C

**Ambient Humidity** max. 85% r.h.

**Dew Point** Beware of condensation!

The substrate and uncured membrane temperature must be at least 3°C above the dew point to reduce the risk of condensation or blooming on the membrane finish.

## Application Instructions

**Application Method** SikaTite® PU can be easily applied by brush or roller. Care is to be taken to ensure that minimum material consumption is met per the Consumption table.

### Floor Wall Joints & Terminations

Joints and terminations should be treated using either Sikaflex® PRO, or Sikaflex® 11FC.

Cure time of minimum 24 hours at 18<sup>0</sup>C before it can be overcoated with SikaTite® PU membrane.

**Application Tools** By brush: with a soft bristle brush  
By roller: with a solvent resistant, “non-shedding” synthetic nylon roller

**Cleaning of Tools** Clean all tools and application equipment with Xylene based solvent immediately after use. Hardened and/or cured material can only be removed mechanically.

## Curing Details

### Overcoating Window

	Time*
Overcoat	4-6 hours

\*~23°C / 50% r.h.

*Note: times are approximate and will be affected by the layer thickness, the substrate temperature.*

### Notes on Application / Limitations

Sikalastic® ExcelTop to be used as top coat for UV stable, and high pedestrian traffic applications

SikaTite® Non-Porous Primer should be used on metal substrates

Not to be used on substrates with rising damp

Not recommended for use with tile adhesives

Contact Sika Technical Support team for further advice as required

### Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

### Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika’s products, are given in good faith based on Sika’s current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

