BUILDING TRUST

SYSTEM DATA SHEET

SikaRoof® PUR-15 UV

High performance, UV-stable spray applied hybrid polyurethane roof waterproofing system

DESCRIPTION

SikaRoof® PUR-15 UV is a spray applied, seamless, highly elastic and UV-stable hybrid polyurethane roof waterproofing system consisting of Sikalastic®- 888 Hybrid and Sikalastic®-701. Suitable for use in hot and tropical climatic conditions.

USES

SikaRoof® PUR-15 UV may only be used by experienced professionals.
SikaRoof® PUR-15 UV can be used as following:

- Roof waterproofing solution for new construction and refurbishment projects
- For roofs displaying complex detail areas and geometry, even when accessibility is limited
- For cost efficient life cycle extension of failing roofs

CHARACTERISTICS / ADVANTAGES

- Fast applied system- 1 to 2 days for total application
- Two component top coat- easy to apply with very low opacity
- UV stable - Aliphatic top coat has good resistance to yellowing
- Resistant to long term ponding water
- Easily recoated – no stripping required
- Cold applied - requires no heat or flame
- Seamless roof waterproofing membrane - easy to detail
- Fast curing - free from resin damage almost immediately on application
- High elastic and crack-bridging - retains flexibility even at low temperatures
- Good adhesion to most substrates - refer to product method statement
- Vapour permeable - allows substrate to breathe
- Strong resistance to common atmospheric chemicals

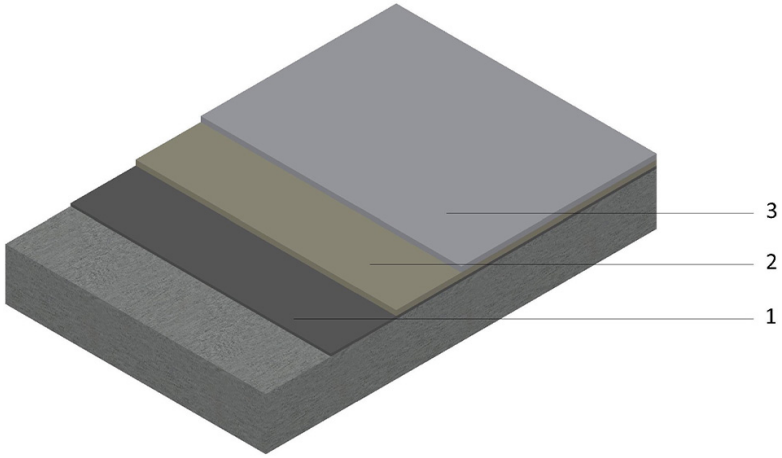
APPROVALS / CERTIFICATES

AS 4654.1-2012: Sikalastic® 888 Hybrid (base coat membrane)
AS 4654.1-2012: Sikalastic® 701 (top coat membrane)
ASTM D7896- Solar reflective index/ Thermal emmittance testing- Sikalastic®-701

SYSTEM INFORMATION

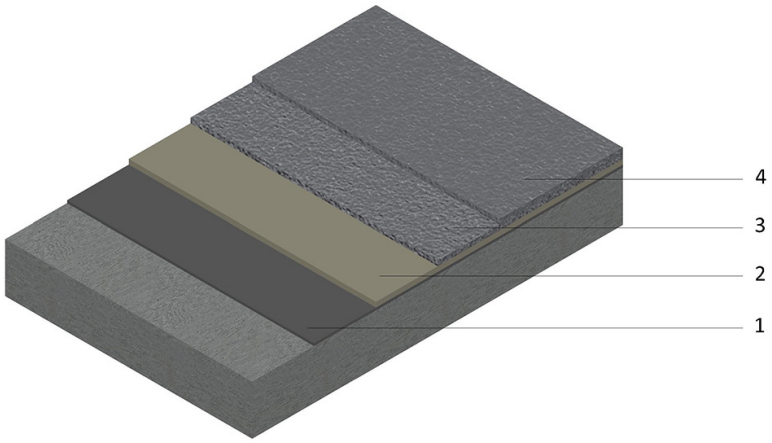
System structure

Standard SikaRoof® PUR-15 UV application without non-slip addition:



Layer	Product	Required DFT
1. Primer	Sikalastic® Moisture Seal or Sikalastic® -100 EP Primer	Please refer to PDS of the Primer
2. Base coat	Sikalastic® -888 Hybrid	1.4mm DFT
3. Top coat	Sikalastic® 701	0.22mm DFT

SikaRoof® PUR-15 UV application with non-slip addition:



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2. Base coat	Sikalastic®- 888 Hybrid	1.4mm DFT
3. Top coat	Sikalastic®- 701	0.22mm DFT
3. Aggregate	20-40 mesh aggregate	0.5-1kg/m2
4. Top coat	Sikalastic®- 701	0.22mm DFT

Aggregate:
Aggregate is to applied to the first top coat (Layer 3) immediately after application. Use clean, rounded or semi-angular oven dried quartz sand with a size gradation of 20–40 mesh and a minimum hardness of 6.5 per Moh's scale for pedestrian traffic. Seeding of aggregate means an even light broadcast short of refusal. A full broadcast of aggregate means a heavy application to refusal. Any loose aggregate must be removed prior to recoating, back roll aggregate where required.

Composition	Sikalastic®-888 Hybrid: Spray applied hybrid polyurethane/polyurea Sikalastic®-701: 2 component aliphatic hybrid polyurethane
Colour	Sikalastic®-888 Hybrid: Light Grey Sikalastic®-701: Light Grey (RAL 7035) White (RAL 9016)
Dry film thickness	Sikalastic®-888 Hybrid: 1.4mm DFT Sikalastic®-701: 0.22mm DFT Total system: 1.62mm DFT
Volatile organic compound (VOC) content	All system components ≤ 250 grams per litre Compliant with Green Building Council of Australia VOC content requirement

APPLICATION INFORMATION

Ambient air temperature	+5 °C min. / +35 °C max.
Relative air humidity	5 % r.h. min. / 85 % r.h. max
Substrate temperature	+5 °C min. / +60 °C max. ≥3 °C above dew point
Substrate moisture content	≤4 % pbw moisture content. Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyurethane-sheet)
Waiting time to overcoating	Please refer to individual data sheets of primer, Sikalastic® -888 Hybrid and Sikalastic® -701 for overcoat time frames.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Do not apply SikaRoof® PUR on substrates with rising moisture.
- SikaRoof® PUR is not suitable for permanent water immersion.
- On substrates likely to exhibit outgassing, apply during falling ambient and substrate temperature. If applied during rising temperatures “pin holing” may occur from rising air.
- Do not dilute Sikalastic®-888 Hybrid & Sikalastic®-701 with any solvent.
- Do not use SikaRoof® PUR for indoor applications.
- Do not apply close to the air intake vent of a running air conditioning unit.
- Do not apply SikaRoof® PUR directly on insulation boards.
- Volatile bituminous materials may stain and or soften below the coating.
- Do not apply cementitious products (e.g. tile mortar) directly onto SikaRoof® PUR.

ECOLOGY, HEALTH AND SAFETY

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

APPLICATION INSTRUCTIONS

EQUIPMENT

Specialist plural component spray equipment is required to install this system; without experience/training in this equipment you will not be able to install the system.

SUBSTRATE PREPARATION

The surface must be sound, of sufficient strength, clean, dry and free of dirt, oil, grease and other contamination. Depending on the material the substrate must be primed and mechanically cleaned. Grinding may be necessary to level the surface. Suitable substrates are: concrete, metal, brickwork, asbestos cement, ceramic tiles.

APPLICATION

Prior the application of SikaRoof® PUR-15 UV the priming coat must have cured tack-free. For the Waiting Time / Overcoating please refer to the PDS of the appropriate primer. Damageable areas (handrails etc.) have to be protected with tape or plastic wrapping. Please note, always begin with details prior to the installation of the horizontal surface.
1. Spray-apply a coat of Sikalastic®-888 Hybrid. Please refer to the Sikalastic®-888 Hybrid product data sheet for application rates and drying times; 1 coat will be sufficient to acheive the DFT of 1.4mm
2. Apply the top coat of Sikalastic®-701. If a non-slip finish is required, two coats will need be installed with the non-slip finish being broadcast into the first coat of Sikalastic®-701. Once first coat is cured, the coating

should be broomed/vacummed of excess material and the subsequent top coat applied within 24 hours.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika 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 accordance with Sika's recommendations. 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 user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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