

PRODUCT DATA SHEET

Sikalastic® U-Coating

Polyurethane fast drying topcoat for roof waterproofing

DESCRIPTION

Sikalastic® U-Coating is a 2-part, polyurethane, fast drying top coat for roof waterproofing. Part of the SikaRoof® MTC-05/-08/-10 UV AP System and can be used to overcoat different 1- or 2-part aromatic polyurethane base coats.

- On fully exposed new construction or refurbished flat roofs
- Top coat over aromatic polyurethane base coats
- Top coat of Sikalastic® roof waterproofing or coating systems

USES

Sikalastic® U-Coating may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Good workability and recoating properties
- Cures at low temperatures (-5 °C)
- Cold applied - requires no heat or flame
- Easily recoated – no removal required
- Seamless coating

PRODUCT INFORMATION

Composition	Aliphatic polyurethane	
Packaging	Part A	13,3 kg
	Part B	2,7 kg
	Refer to current price list for packaging variations.	
Appearance / Colour	Appearance	Gloss
	Colour	Green, Grey
	Other colours on request. Applied colours selected from colour charts will be approximate. For colour matching: Apply colour sample and confirm selected colour under real lighting conditions. When product is exposed to direct sunlight, there may be some discolouration and colour variation, this has no influence on the function and performance of the coating.	
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +25 °C. Always refer to packaging.	
Density	~1,2 g/cm ³	

SYSTEMS

Systems	Sikalastic® U-Coating is part of the SikaRoof® MTC-05/-08/-10 UV AP roof waterproofing system
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APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 10 : 2 (by weight)		
Consumption	~0,2–0,3 kg/m ² (depending on the type of SikaRoof® system installed). These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.		
Layer thickness	Recommended dry film thickness : 40–60 µm per coat		
Product temperature	10 °C min.		
Ambient air temperature	-5 °C min. / +40 °C max.		
Relative air humidity	85 % max.		
Dew point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point.		
Substrate moisture content	≤ 4 % parts by weight Test method: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). No water / moisture / condensation on the substrate.		
Pot Life	Temperature	Time	
	+10 °C	~7 hours	
	+20 °C	~5 hours	
	+30 °C	~3 hours	
	+40 °C	~2 hours	
Curing time	Ambient temperature	Touch dry	Full cure
	-5 °C	24 hours	15 days
	0 °C	16 hours	11 days
	+10 °C	8 hours	6 days
	+20 °C	6 hours	4 days
	+30 °C	5 hours	3 days
	+40 °C	3 hours	2 days
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.		

APPLICATION INSTRUCTIONS

EQUIPMENT

Select the most appropriate equipment required for the project:

Mixing

- Electric single paddle mixer (300–400 rpm)

Application

- Brush or solvent resistant rollers
- Air spray with machines: nozzle orifice of 1,0–1,5 mm, nozzle pressure 0,3–0,4 MPa
- Airless spray with machines: nozzle orifice of 0,44–0,49 mm, nozzle pressure 20 MPa

SUBSTRATE PREPARATION

If the overcoating time of the existing base coat has

been exceeded, the surface may be roughened using light abrasive manual tools or mechanical equipment. All contamination such as dust, loose and friable material that could affect final finish or reduce adhesion, must be completely removed from all surfaces before application of the product, preferably by vacuum extraction equipment.

MIXING

Prior to mixing all parts, mix separately Part A (resin) using an electric paddle mixer or other suitable equipment. Mix liquid and all the coloured pigment until a uniform colour / mix has been achieved. Add Part B (hardener) to Part A and mix Part A + B continuously for 3,0 minutes until a uniformly coloured mix has been achieved. Mix full units only. Mixing time for A+B = ~3,0 minutes.

APPLICATION

Apply mixed product in 1 coat by roller, brush or spray equipment to achieve a consistent thickness and required surface finish.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C immediately after use. Hardened material can only be removed mechanically or with a proprietary paint stripper.

FURTHER INFORMATION

- System Data Sheets: SikaRoof® MTC-05/-08/-10 UV AP

IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application.

- After application, product must be protected from damp, condensation and water contact (rain) while reaction and curing takes place.
- Exposure to early condensation and rain may cause colour and gloss differences.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

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.

Sika Korea Ltd.

135 gil 16, Nonhyun-ro
Gangnam-ku, Seoul, Korea
Tel : +82 2 6912 1500
Fax: +82 2 6912 1555
web: <http://kor.sika.com>



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