

PRODUCT DATA SHEET

Sikalastic®-590 Quick Dry

Single-Component, Quick-Dry, Flexible Polyurethane Roof Waterproofing Solution

DESCRIPTION

Sikalastic®-590 Quick Dry is a cold-applied, one component polyurethane modified dispersion with improved drying time & ponding water capability, highly elastic and UV resistant.

USES

- For roof waterproofing solutions in both new construction and refurbishment projects
- For roofs with many details and complex geometry when accessibility is limited
- For cost efficient life cycle extension of failing roofs

FEATURES

- One-component and ready to use
- Quick-dry Performance enables short overcoating time
- Cold applied - requires no heat or flame
- Seamless waterproofing membrane
- UV resistant
- Highly elastic
- Easily recoated when needed - no stripping required
- Economic – provides a cost efficient life cycle extension for failing roofs
- Low VOC emitting water-based coating
- Excellent adhesion on porous and non-porous substrates
- Water vapour permeable - allows the substrate to breathe

PRODUCT INFORMATION

Composition	Polyurethane modified dispersion	
Packaging	5 kg, 20 kg / pails	
Colour	Grey, White (5 kg Packaging) Grey, White and Green (20 kg Packaging)	
Shelf life	12 months from date of production.	
Storage conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C.	
Density	~1.35 kg/l (+25 °C)	
Solid content by mass	~63 % (+25°C / 50 % r.h.)	
Solid content by volume	~48 % (+25°C / 50 % r.h.)	
Elongation	> 700%	(Sika In-House Test Method)
Tensile adhesion strength	>1 N/mm ² (adhesion to concrete)	
Ambient air temperature	+10°C min. / +40°C max.	

Relative air humidity	5% min./ 80 % r.h. max.		
Substrate temperature	+5°C min. / +60°C max. ≥3 °C above dew point		
Substrate moisture content	≤ 6 % parts by weight Test method: Tramex meter. And no rising moisture according to ASTM (Polyethylene-sheet).		
Substrate pre-treatment	Substrate	Primer	Consumption (kg/m²)
	Cementitious substrate	Sikalastic®-590 Quick Drydiluted with 10-15 % water	~0.3
	Brick and stone	Sikalastic®-590 Quick Drydiluted with 10-15 % water	~0.3
	Ceramic tiles (unglazed)	Sikalastic®-590 Quick Drydiluted with 10-15 % water	~0.3
	Other	Please contact Sika Technical Service for re- commendations	

Note:

- These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage.
- Other substrates must be tested for their compatibility. If in doubt, apply a test area first.
- For the Primer Waiting Time / Overcoating, depend on the coating thickness, ambient conditions, substrate temperature and relative humidity.

Waiting time to overcoating	For the Base Coating Under Different Systems (With and Without Reinforcement)		
	Waiting time (without Reinforcement)	Waiting time (with Reinforcement)	Ambient condition
	~2 hours	~12 hours	+20 °C / 50 % r.h.
	~1 hours	~6 hours	+30 °C / 50 % r.h.

Note: The above times are approximate and may vary depending on coating thickness and ambient conditions, particularly temperature and relative humidity.

System structure	Roof Waterproofing Coating system:		
	Total consumption (Base Coat)	≥ 0.8, 1.2, 1.6 kg/m ²	
	Dry Film Thickness	~ 0.3 / 0.45 / 0.6 mm	
	Layer	Product	Consumption
	1. Primer	please refer to substrate pre-treatment	please refer to substrate pre-treatment
	2. 1 st Base coat	Sikalastic®-590 Quick Dry	≥ 0.4 kg/m ² per coat
	3. 2 nd Base coat	Sikalastic®-590 Quick Dry	≥ 0.4 kg/m ² per coat
	4. 3 rd -4 th Base coats (Additional)	Sikalastic®-590 Quick Dry applied in 1 or 2 coats	≥ 0.4 kg/m ² per coat

* 2,3,4 = Base coat build-up layer 2, 3 & 4.

*For partial reinforcement, Sikalastic® Fleece is applied at areas with high movement, irregular substrate or to bridge cracks, joints and seams on the substrate as well as for details.

Roof Waterproofing with Reinforcement system:

Total consumption (Base Coat)	≥ 2.1 - 2.8 kg/m ²
Dry Film Thickness	≥ 0.9 – 1.15 mm

Layer	Product	Consumption
1. Primer	please refer to substrate pre-treatment	please refer to substrate pre-treatment
2. 1 st Base coat	Sikalastic®-590 Quick Dry	≥ 0.7 - 1.0 kg/m ² per coat
3. Reinforcement	Sikalastic® Fleece	-
4. 2 nd Base coat	Sikalastic®-590 Quick Dry	≥ 0.4 - 0.6 kg/m ² per coat
5. 3 rd & 4 th Top coats	Sikalastic®-590 Quick Dry applied in 2 coats	≥ 0.4 - 0.6 kg/m ² per coat

Note:

1. Do not apply more than 0.75 kg/m² of Sikalastic®-590 Quick Dry per coat for layers without reinforcement.
2. These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage.

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 Sikalastic®-590 Quick Dry on substrates with rising moisture.
- Sikalastic®-590 Quick Dry 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.
- Ensure that temperature does not drop below 8 °C and that relative humidity does not exceed 80 % until the membrane has fully cured.
- Sikalastic®-590 Quick Dry should not be applied on roofs subject to long-term ponding water.
- Sikalastic®-590 Quick Dry applied on roofs subject to long-term freezing at temperature around the minimum service temperature of -10 °C should always be reinforced with Sikalastic® Fleece in order to guarantee sufficient crack-bridging ability.
- Do not apply Sikalastic®-590 Quick Dry directly on insulation boards. Instead use a Sika Carrier Membrane between insulation board and Sikalastic®-590 Quick Dry.
- Sikalastic®-590 Quick Dry is not recommended for pedestrian traffic. In case pedestrian traffic is unavoidable, Sikalastic®-590 Quick Dry shall be covered with appropriate elements such as paver, stone plates or wooden panels.
- Do not apply cementitious products (e.g. tile mortar) directly onto Sikalastic®-590 Quick Dry. Use an alkaline barrier, for example kiln dried quartz sand.

EQUIPMENT

Select the most appropriate equipment require for the project.

- Brush : Soft bristle brush
- Roller : "non-fuzzy" roller
- Airless spray

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 or mechanically cleaned. Grinding may be necessary to level the surface. Suitable substrates are such as: concrete, brickwork, asbestos cement, ceramic tiles.

MIXING

Prior to application, stir Sikalastic®-590 Quick Dry thoroughly for 1 minute in order to achieve a homogeneous mixture. Over mixing must be avoided to minimise air entrainment.

APPLICATION

Prior the application of Sikalastic®-590 Quick Dry, the priming coat if used must have cured tack-free. For the Waiting Time / Overcoating please refer to the PDS of the appropriate primer. Damageable areas (door frame) have to be protected with an adhesive tape.

Roof Coating : Apply the primer follow the substrate pre-treatment table.

1. Apply first coat around 0.4 kg/m² of Sikalastic®-590 Quick Dry.
2. Leave it dry follow the waiting time / overcoating table.
3. Apply the top coat with one or more additional coat of Sikalastic®-590 Quick Dry around 0.4 kg/m² per coat and leave it dry.

Roof Reinforcement : Sikalastic®-590 Quick Dry is applied in combination with Sikalastic® Fleece. Apply the primer follow the substrate pre-treatment table.

1. Apply first base coat around 0.7-1.0 kg/m² of Sikalastic®-590 Quick Dry.
2. Roll in the Sikalastic® Fleece and ensure that there are no bubbles or creases. Overlapping of the reinforcement minimum 5 cm.
3. Apply second base coat of Sikalastic®-590 Quick Dry around 0.6 kg/m² right into the wet fiber fleece. The entire application shall happen while Sikalastic®-590

Quick Dry is still liquid, wet in wet.

4. After two coats are dry, apply the top coat with two or more additional coat of Sikalastic®-590 Quick Dry around 0.4-0.6 kg/m² per coat.

Please note, always begin with details prior starting with waterproofing the horizontal surface.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

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

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 (Thailand) Limited

700/37 Moo 5 Amata City Chonburi
Industrial Estate, T. Klong Tamhru
A. Muang, Chonburi 20000, Thailand
Tel : +66 3810 9500
E-mail : sikathai@th.sika.com
Website: tha.sika.com



Product Data Sheet

Sikalastic®-590 Quick Dry
June 2026, Version 01.01
020915151000263673

Sikalastic-590QuickDry-en-TH-(06-2026)-1-1.pdf