



BUILDING TRUST



## PRODUCT DATA SHEET

# Sikalastic®-11 Primer W

Water based epoxy primer for Sikalastic® liquid membranes (Formerly LANKO FLOWPRIME WB)

### DESCRIPTION

Sikalastic®-11 Primer W is a two component, water based epoxy primer for use with various Sikalastic® liquid applied membranes for metal and very porous substrates. Sikalastic®-11 Primer W is low viscosity and promotes substrate penetration to provide excellent adhesion on high porous substrates.

### USES

Sikalastic®-11 Primer W may only be used by experienced professionals.

- For priming high absorbent substrates such as asbestos or bricks
- For priming concrete substrate, cement screeds and epoxy mortars
- For priming metal substrates followed by sand broadcast
- For use as primer on bitumen followed by sand broadcast
- For usage with Sikalastic® range of liquid applied membranes

### CHARACTERISTICS / ADVANTAGES

- Low viscosity
- Good penetration
- Excellent adhesion to metal and wood
- Stabilizes cementitious substrates
- Low VOC
- Easy to apply
- Short waiting times
- Multi-purpose

### PRODUCT INFORMATION

<b>Composition</b>	Water based epoxy	
<b>Packaging</b>	Part A+B pre-batched	5 kg set
	Part A	1 kg container
	Part B	4 kg container
<b>Shelf life</b>	12 months from date of production	
<b>Storage conditions</b>	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C.	
<b>Appearance and colour</b>	White liquid	
<b>Density</b>	~1.2 kg/L (Part A+B mixed)	

## APPLICATION INFORMATION

<b>Mixing ratio</b>	Part A : Part B = 1 : 4 (by weight)
<b>Consumption</b>	~0.15–0.25 kg/m <sup>2</sup> Note: These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.
<b>Ambient air temperature</b>	+5 °C min. / +30 °C max.
<b>Relative air humidity</b>	85 % max.
<b>Dew point</b>	Beware of condensation. The substrate and uncured applied roof material must be at least +3 °C above dew point to reduce the risk of condensation on the surface finish.
<b>Substrate temperature</b>	+5 °C min. / +30 °C max.
<b>Substrate moisture content</b>	< 6 % parts by weight The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). No water / moisture / condensation on the substrate.
<b>Pot Life</b>	~25 min (100 g mass, +25 °C) CAUTION The end of the product's pot life is not noticeable! Discard material not used within indicated pot life.
<b>Waiting time to overcoating</b>	~2–4 hours Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

## 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.

## FURTHER INFORMATION

Refer to the respective Product Data Sheet of over coating Sikalastic® product.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### IMPORTANT

#### Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

## EQUIPMENT

### Mixing

- Electric single paddle mixer (300 to 400 rpm)

### Application

- Squeegee
- Short pile roller
- Brush

## SUBSTRATE QUALITY / PRE-TREATMENT

### Slates, tiles, etc.:

- Ensure all slates/tiles are sound and securely fastened, replacing obviously broken or missing sections.
- Fully glazed tiles must be abraded prior to priming.

### Bituminous felt:

- Ensure that bituminous felt is firmly adhered or mechanically fixed to the substrate. Bituminous felt should not contain any badly degraded areas.

### Bituminous coatings:

- Bituminous coatings should not have sticky or mobile surfaces, volatile mastic coatings, or old coal tar coatings.

### Metals:

- Metals should be in sound condition. Abrade the exposed surfaces to reveal bright metal. Use reinforcement locally over joints and fixings.

### Wooden substrates:

- Timber and timber based panel roof decks are to be in good condition, firmly adhered, or mechanically fixed.

### Paints or Coatings:

- Ensure the existing material is sound and firmly adhered. Remove any oxidized layers and use localized reinforcement over joints.

### MIXING

#### IMPORTANT

#### Mix full units only

1. Mix Part A (resin) for ~30 seconds.
2. Add Part B (hardener) to Part A.
3. Mix continuously for 1 minute, until a uniform mix is achieved.  
Note: Avoid excessive mixing to minimise air entrainment.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

### APPLICATION

1. Pour mixed primer onto the prepared substrate and apply by brush, roller or squeegee then back roller in two directions at right angles to each other. Ensure a continuous, pore free coat covers the substrate. If necessary, apply two priming coats.
2. Immediately broadcast quartz sand on wet primer.
3. Remove excess sand after primer is cured.

### CAUTION

The end of the product's pot life is not noticeable! Discard material not used within indicated pot life.

### CLEANING OF EQUIPMENT

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

### 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 exact product data and uses.

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### 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.

#### Product Data Sheet

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