

PRODUCT DATA SHEET

Sikalastic®-10 Primer EP

Solvent free epoxy primer for Sikalastic® and SikaShield® membranes

DESCRIPTION

Sikalastic®-10 Primer EP is a two component, 100% solids, solvent free epoxy primer for use with various Sikalastic® liquid applied membranes and SikaShield® membranes. Sikalastic®-10 Primer EP is low viscosity and promotes substrate penetration to provide excellent adhesion in demanding applications.

USES

Sikalastic®-10 Primer EP may only be used by experienced professionals.

- For priming low to medium absorbent substrates
- For priming concrete substrate, cement screeds and epoxy mortars
- For priming metal substrates followed by sand broadcast
- For use as primer followed by sand broadcast before SikaShield® range of APP bituminous membranes
- For usage with Sikalastic® range of liquid applied membranes
- Binder for scratch coat, levelling layer and repair mortar

CHARACTERISTICS / ADVANTAGES

- Low viscosity
- Good substrate penetration
- Excellent adhesion to concrete
- Stabilizes cementitious substrates
- Solvent free
- Easy to apply
- Short waiting times
- Multi-purpose
- Can be mixed with quartz sand for use as scratch coat, levelling layer or repair mortar

PRODUCT INFORMATION

Chemical base	Epoxy resin with special fillers	
Packaging	Part A+B	20 kg
	Part A	15.8 kg container
	Part B	4.2 kg container
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 +30 °C.	
Colour	Part A+B mixed	Liquid, brownish-transparent
	Part A	Liquid, brownish-transparent
	Part B	Liquid, transparent

Density	Part A+B mixed	~1.4 kg/L	(EN ISO 2811-1)
	Part A	~1.6 kg/L	
	Part B	~1.0 kg/L	

All density values at +27 °C

Solid content by weight ~100 %

Solid content by volume ~100 %

TECHNICAL INFORMATION

Shore D hardness ~76 (7 days, +27 °C) (ASTM D2240)

Tensile adhesion strength > 1.5 N/mm² (concrete failure) (EN 1542)

SYSTEM INFORMATION

System structure

Note: Sikalastic®-10 Primer EP can be applied in different waterproofing system build ups for concrete or metal substrates. Contact Sika Technical Services for additional information.

Cementitious substrates

Layer	Product
Primer	Sikalastic®-10 Primer EP + broadcast Sika® Quartz 02 IN
Levelling layer or scratch coat (optional, depending on surface quality)	Sikalastic®-10 Primer EP + mix Sika® Quartz 01 IN + broadcast Sika® Quartz 02 IN
Liquid applied membrane or Bitumen membrane	Respective Sikalastic® or SikaShield® membrane

Metal substrates

Layer	Product
Primer	Sikalastic®-10 Primer EP + Sika® Quartz 01 IN
Liquid applied membrane	Respective Sikalastic® membrane

Dry film thickness	Substrate	Coating type	Thickness
	Cementitious	Primer	~0.3–0.4 mm
Cementitious	Levelling layer	~1.0 mm	
Metal	Primer	~0.2 mm	

APPLICATION INFORMATION

Mixing ratio Part A : Part B = 79 : 21 (by weight)

Consumption

Cementitious substrates

Application type	Product	Consumption of mix
Primer	Sikalastic®-10 Primer EP + broadcast Sika® Quartz 02 IN	~0.30–0.50 kg/m ²
Levelling layer or scratch coat	Sikalastic®-10 Primer EP + 2 pbw Sika® Quartz 01 IN + broadcast Sika® Quartz 02 IN	~1.0–1.2 kg/m ²
Repair mortar	1 pbw Sikalastic®-10 Primer EP + 4 pbw Sika® Quartz 01 IN	~2.2 kg/m ² per mm

pbw = parts by weight

Metal substrates

Application type	Product	Consumption of mix
Primer	Sikalastic®-10 Primer EP + broadcast Sika® Quartz 01 IN	~0.20–0.25 kg/m ²

Quartz sand recommendation:

- When overlay is with liquid applied membranes, use medium broadcast ~0.8 kg/m²
- When overlay is with bitumen membranes, use full broadcast ~2 kg/m²

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.

Ambient air temperature	+8 °C min. / +35 °C max.								
Relative air humidity	80 % max.								
Dew point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish. Note: Low temperatures and high humidity conditions increase the probability of blooming								
Substrate temperature	+8 °C min. / +35 °C max.								
Substrate moisture content	≤ 4 % parts by weight Test methods: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).								
Pot life	<table><thead><tr><th>Temperature</th><th>Time</th></tr></thead><tbody><tr><td>+10 °C</td><td>~50 min</td></tr><tr><td>+20 °C</td><td>~25 min</td></tr><tr><td>+30 °C</td><td>~15 min</td></tr></tbody></table>	Temperature	Time	+10 °C	~50 min	+20 °C	~25 min	+30 °C	~15 min
Temperature	Time								
+10 °C	~50 min								
+20 °C	~25 min								
+30 °C	~15 min								

Waiting time / Overcoating

Before applying solvent free products on Sikalastic®-10 Primer EP allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 h	4 d
+20 °C	12 h	2 d
+30 °C	8 h	24 h

Before applying solvent containing products on Sikalastic®-10 Primer EP allow:

Substrate temperature	Minimum	Maximum
+10 °C	36 h	6 d
+20 °C	24 h	4 d
+30 °C	16 h	2 d

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 DOCUMENTS

Please refer to the respective Sika Method Statement for product used for detailed advice on installation.

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

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

Sikalastic®-10 Primer EP must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment. For the preparation of mortars use a forced action mixer of rotating pan, paddle or trough type. Free fall mixers should not be used.

SUBSTRATE PREPARATION

Cementitious substrates

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- High spots must be removed by grinding.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Metal substrates

- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Any rust must be carefully removed by wire brushing or using Sika® Rustoff-100, followed by power washing.
- Any damaged metal must be repaired or replaced as suitable.

MIXING

Primer

1. Prior to mixing, stir part A mechanically.
2. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. Over mixing must be avoided to minimise air entrainment.

Levelling layer and Repair mortar

1. Prior to mixing, stir part A mechanically.
2. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved.
3. When parts A and B have been mixed, add the quartz sand and mix for a further 2 minutes until a uniform mix has been achieved.
4. To ensure thorough mixing pour materials into an-

other container and mix again to achieve a consistent mix. 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. Over mixing must be avoided to minimise air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point. If moisture content > 4 % pbw, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Primer

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.

Levelling layer or scratch coat

1. Pour the mixed scratch coat material onto the prepared substrate and apply by trowel or squeegee. Ensure a continuous, pore free coat covers the substrate. If necessary, apply two coats.
2. Immediately broadcast quartz sand on wet scratch coat.
3. Remove excess sand after scratch coat is cured.

Repair mortar

1. Apply the repair mortar screed evenly on the substrate, using levelling battens and spatula as necessary.
2. After a short waiting time compact and smoothen the mortar with a trowel.

CLEANING OF TOOLS

Clean all tools and application equipment with 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.

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 India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
West Bengal, India

Contact:

Phone: +91 33 2447 2448
Fax: +91 33 2397 8688
info.india@in.sika.com
www.sika.in



Product Data Sheet

Sikalastic®-10 Primer EP
June 2022, Version 01.01
020915951000000136

Sikalastic-10PrimerEP-en-IN-(06-2022)-1-1.pdf