

PRODUCT DATA SHEET

Sikalastic®-510 PK

Flexible, Liquid Applied, Single Component Acrylic Based Ready To Use Waterproofing Membrane System

DESCRIPTION

Sikalastic®-510 PK is a flexible, liquid applied, single component, ultra-violet rays and weather resistant, acrylic waterproofing membrane for all types of exposed roof slabs (new & old), terraces (sloped flat) etc.

USES

Sikalastic®-510 PK have following uses:

- Exposed roof waterproofing
- Impervious coating on roofs (flat & sloped) and concrete structures
- As protective coating in infrastructure projects
- On non-trafficked areas
- Excellent adhesion to concrete, brickwork, corrugated asbestos and asbestos cement sheets.

CHARACTERISTICS / ADVANTAGES

Sikalastic®-510 PK provides the following properties:

- Crack-bridging
- Flexible
- Water vapor permeable
- Simple application (even at detailing)
- Economical
- Bonds well to all types of masonry substrate
- High diffusion resistance against CO₂
- Ultra-violet rays and weather resistant
- Algae and fungi resistant

ENVIRONMENTAL INFORMATION

PRODUCT INFORMATION

Chemical Base	Acrylic polymer dispersion
Packaging	16 kg bucket
Appearance / Colour	White
Shelf Life	12 months from date of production if stored properly
Storage Conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight and frost
Solid Content	~53% (105° C , 1 hr) as per ISO 3251
Shore A Hardness	85 (EN ISO 868)
Elongation	at break 360% after UV ageing 150% (DIN 53504)
Crack Bridging Ability	2.1 mm (at 23°C, EN 14891)
Behaviour after Artificial Weathering	Accelerated weathering,

	500 hours No cracking / no blister (According to IS101)
Permeability to Water Vapour	Passes (According to IS101)
Salt spray resistance	Satisfactory
Water resistance	Passes (According to IS 2645)
Layer Thickness	with Sika® Fab-1 ~1.2 mm
Ambient Air Temperature	+10°C min / +40°C max
Substrate Temperature	+10°C min / +40°C max
Tack Free Time	25 minutes at +27° C
Waiting Time / Overcoating	24 hours at 30°C
Consumption / Yield / Dosage (PRINT single line)	Sikalastic®-510 PK Primer: 0.200 kg/m ² per coat depending on the substrate. Sikalastic®-510 PK: 0.5 kg /m ² per coat (2-3 coats recommended). Total thickness – 1.2 mm approx with Sika® Fab1 and 1mm without Sika® Fab1

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.

LIMITATIONS

The product can be stained with good quality Stainer for light shades. However, pretest for consistency of colour shade is recommended through site trials before application.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safety handling, storage and disposal of chemical products, user should refer to most recent Safety data sheet (SDS) containing physical, ecological, toxicological, and other safety-related data.

SUBSTRATE QUALITY

The cementitious substrate should be sound and of sufficient strength (min. 25 N/mm²). Minimum pull-off strength 1.5 N/mm², it should be free from grease, oil and contamination.

SUBSTRATE PREPARATION

All dust loose and friable materials and glaze or varnish of tiles must be completely removed by mechanical means. Existing coatings must be inspected, cleaned and mechanically ground to achieve a sound, gripping substrate. In case of bad adhesion to the substrate, existing coatings must be removed. The uneven surface should be properly treated by suitable Sika material to get a plain surface. Prime the prepared substrate with Sikalastic®-510 PK Primer by brush or roller.

APPLICATION

Sikalastic®-510 PK is supplied in a single component pack and is in ready to use form. Stir thoroughly before application.

Within 45 minutes of priming apply 1st coat of Sikalastic®-510 PK by brush or roller. Do not spoil the dry surface while walking on it for application. Place Sika® Fab1 over the first coat when it is in tacky condition.

Apply the 2nd and 3rd coat of Sikalastic®-510 PK following the same above procedure at suitable time interval of 24 hours between the two coats.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cure 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Product Data Sheet

Sikalastic®-510 PK
June 2025, Version 03.01
020915108010000032

Sikalastic-510PK-en-PK-(06-2025)-3-1.pdf

