BUILDING TRUST

PRODUCT DATA SHEET

SikaTop®-122 K11 Panel Proof

(formerly Davco® K11 Panel Pruf)

A FLEXIBLE 2-PART CEMENTITIOUS WATERPROOFING SYSTEM

DESCRIPTION

SikaTop®-122 K11 Panel Proof is a premium grade, flexible two-part, polymer-modified cementitious waterproofing system.
After curing, SikaTop®-122 K11 Panel Proof forms a fully bonded, tough and yet flexible, seamless waterproofing membrane that can accommodate slight movement of structure.
SikaTop®-122 K11 Panel Proof can be skimmed, plastered and tiled on directly without any reduction in its bond strength.
SikaTop®-122 K11 Panel Proof's high performance makes it ideal for use in prefabricated bathroom units and precast panel wall system.

USES

As a concealed system on internal and external surfaces of precast panel walls and slabs, AAC/ALC blocks and panels, and sealing of precast joints.

CHARACTERISTICS / ADVANTAGES

- Low VOC, Water-based and Non-toxic
- Good flexibility and adhesion
- High Elongation with crack bridging properties up to 2mm width
- Ideal for use in PBU, PPVC and panel wall system
- Seals lightweight aerated blocks
- Seals precast concrete joints

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4193

PRODUCT INFORMATION

Packaging	Part A : 17 kg/pail Part B : 25 kg/bag Total : 42 kg/set
Appearance / Colour	Part A : Liquid Part B : Powder
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.

TECHNICAL INFORMATION

Shore A Hardness	≥ 60	(ASTM D2240: 2005 (2010))

Tensile Strength	≥ 1.5 N/mm² , 28 days ≥ 1.2 N/mm² after immersion in 0.50 % NaOCl, 1.25 % NH_4OH or 3.70 % HCl for 72 Hrs	(ASTM D412 : 2016)
Elongation	≥ 180 %, 28 days ≥ 120 % after immersion in 0.50 % NaOCl, 1.25 % NH_4OH or 3.70 % HCl for 72 Hrs	(ASTM D412 : 2016)
Tensile Adhesion Strength	≥ 0.7 N/mm²	(ASTM D4541 : 2002)
Crack Bridging Ability	No crack up to 2 mm	(ASTM C836/C836M)
Resistance to Water Penetration	0	(DIN 1048 Pt 5 : 1991)
Chloride Content	< 0.1 %	

APPLICATION INFORMATION

Consumption	A 42 kg set unit will cover approximately 15 m² to 20 m² at a thickness of 1.2 mm to 1.5 mm. Wet film thickness: 0.7 ± 0.1 mm/coat.	
Pot Life	Approx. 2 hours @ 30 °C	
Drying Time	Approx. 1 - 3 hours	(30°C, Touch Dry)
Setting Time	**Set to Touch** < 2 hours	(ASTM D1640:2003 (2009))

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

If applied directly onto lightweight aerated block, it is recommended to prime the substrate with a primer, e.g. Sikalastic®-500 Acrylic Primer AP

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean the substrate of any protrusion or substances that may damage the membrane. Ensure all surfaces are free from dirt, dust, grease, oil, wax, curing compounds and any other loose contaminants.
Fill all voids, cracks, edges and angles with a suitable repair material, e.g. SikaGrout®-180 / SikaGrout®-128 (G280), so that the prepared surface is sound, even and flat to receive the membrane.

Pre-wet the surface with clean water. Do not allow water ponding. Porous surfaces should be primed with a suitable primer, e.g. Sikalastic®-500 Acrylic Primer AP prior to applying SikaTop®-122 K11 Panel Proof.

MIXING

Pour SikaTop®-122 K11 Panel Proof - Liquid part into a clean mixing container.
Then add Powder part gradually while mixing until a lump-free plastic consistency is achieved.
It is recommended that mechanical mixing (400 - 500 rpm) should be done for 2 - 3 minutes to ensure proper dispersion of the components.
NO ADDITION OF WATER IS ALLOWED.

APPLICATION

Apply the first coat of the mixed material onto the prepared surface using a brush or roller at an approximate wet film thickness of 0.7 mm per coat. Before a second coat is applied, the 1st coat must be left for approximately 2 - 3 hours depending on the thickness, substrate porosity and the temperature until it is dry. The second coat should be applied at a direction perpendicular to the first coat.
For application at joint areas, roll out the reinforcing mesh and press into the first coat of SikaTop®-122 K11 Panel Proof while it is still wet. Leave it to dry for 2 - 3 hours (depending on ambient temperature).
The second coat is then applied to completely fill the reinforcing mesh and left to cure for at least 12 hours (depending on ambient temperature and ventilation).
When SikaTop®-122 K11 Panel Proof has dried and cured, subsequent plastering or screeding material can then be applied on it.

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 (Singapore) Pte Ltd.
28 Tuas South Ave 8
Singapore 637648
Phone: +65 6861 0632
Fax: +65 6862 3915
Email: sales@sg.sika.com
www.sika.com.sg