



# K11 PANEL PRUF

## A FLEXIBLE 2-PART CEMENTITIOUS WATERPROOFING SYSTEM



ECO FRIENDLY



LOW CARBON FOOTPRINT



CRACK BRIDGING

### DESCRIPTION

Davco K11 Panel Pruf is a premium grade, flexible two-part, polymer-modified cementitious concealed waterproofing system.

After curing, Davco K11 Panel Pruf forms a fully bonded, tough and yet flexible, seamless waterproofing membrane that can accommodate slight movement of structure. It can be used as a repair material for bridging cracks in substrate or cracks due to shrinkage, up to 2mm width.

Davco K11 Panel Pruf can be skimmed, plastered and tiled on directly without any reduction in its bond strength.

Davco K11 Panel Pruf high performance makes it ideal for use in prefabricated bathroom units and precast panel wall system.

### USES

Apply on internal and external surface of precast panel wall and slab, AAC/ALC blocks and panels, and sealing of precast joints.

### ADVANTAGES

- Low VOC, water based and non-toxic
- Good flexibility and adhesion to various substrate.
- Ideal for use in PBU and panel wall system.
- Seals lightweight aerated blocks
- Seals precast joints
- Anti-carbonation protection
- Will not attack metal

### TECHNICAL DATA

Resistance to water penetration DIN 1048 Pt 5 : 1991	0
Adhesion to substrate ASTM D4541 : 2002	≥ 0.7 N/mm <sup>2</sup>
Tensile strength ASTM D412 : 2006a (2013)	≥ 1.6 N/mm <sup>2</sup>
Elongation at break ASTM D412 : 2006a (2013)	≥ 180 %
Chemical resistance NaOCl - 0.5% NH <sub>4</sub> OH - 1.25% HCl - 3.7%	Passed
Hardness shore A ASTM D2240: 2005 (2010)	≥ 60
Set to touch ASTM D1640:2003 (2009)	< 2 hours
Chloride content ISEA method ADM / C&B / 003 : 2010	< 0.1 %
Pot Life (@30°C)	Approx. 2 hours
Drying Time (30°C) Touch Dry	Approx. 1 - 3 hours
Foot Trafficable	4 hours
Conducting of Ponding Test	12 hours after application

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.



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## SURFACE 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 contaminating materials.

Fill all voids, cracks, edges and angles with Lanko Grout 180 ECO or suitable repair material, so that the prepared surface is sound, even and clean.

## MIXING & APPLICATION

Put Davco K11 Panel Pruf - Liquid into a clean mixing container. Add the Davco K11 Panel Pruf - Powder gradually while mixing until a lump free plastic consistency is achieved. **NO ADDITION OF WATER IS ALLOWED.** It is recommended that mechanical mixing (400-500 rpm) should be used for 2-3 minutes to ensure proper dispersion of the components.

Pre-wet the surface with clean water. Do not allow water ponding. Very porous surface must be primed with Davco Panel Sealer prior to applying Davco K11 Panel Pruf. Apply the mixed material onto the prepared surface using a block brush, squeegee or roller in a stiffling action. Apply 1-2 coats finish depending on site conditions and film thickness required. If a trowel is used for application, all undulating or uneven areas must be patched to level before applying the Davco K11 Panel Pruf to prevent the material from building up too thick in one application.

Before a 2nd 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.

Davco K11 Panel Pruf must be protected by rendering, or tiling after application.

Note : If applied directly onto lightweight aerated block, the block must be primed with Davco Panel Sealer until a coloured tint is visible.

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## PACKAGING

Available in 42 kg set and 12 kg set.

## COVERAGE & PACKAGING SIZE

A 42 kg set unit will cover approximately 15m<sup>2</sup> to 20m<sup>2</sup> at a thickness of 1.2mm to 1.5mm.

Wet film thickness: 0.7 ± 0.1 mm/coat.

## CLEANING

All tools and equipment should be cleaned immediately with clean water after use. Hardened material can only be removed mechanically.

## SHELF LIFE

All liquid and powder has shelf life of 12 months when stored in unopened bags or containers, in a cool, dry and elevated place.

## HEALTH & SAFETY

Product contains cement, which may cause dermatitis. Wear rubber gloves when handling the product. In case of insufficient ventilation, put on suitable respiratory equipment. Do not apply the product when the surface temperature is below 5°C or greater than 45°C. Refer to safety data sheet.

### Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website [www.sika.com.sg](http://www.sika.com.sg)



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