

PRODUCT DATA SHEET

Sikalastic®-668 Dampflex

(formerly Davco® K10 Dampflex)

POLYURETHANE-MODIFIED WATERPROOFING MEMBRANE



DESCRIPTION

Sikalastic®-668 Dampflex is a one-part water-based polyurethane-modified concealed waterproofing and sealing membrane that is ready-to-use from the container.

USES

Sikalastic®-668 Dampflex provides a seamless waterproofing system which is ideal for use in toilets, showers and bathrooms prior to tiling. It is also suitable to be used to waterproof terraces & balconies, and all interior wet areas.

CHARACTERISTICS / ADVANTAGES

- One part waterproofing membrane - easy to use directly out of the container.
- High flexibility, enabling it to cater for limited floor movement while absorbing vibration.
- Prevents surface water penetration and absorption when applied correctly.
- Water-based product, therefore it is non-toxic and non-flammable.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4186

PRODUCT INFORMATION

Packaging	20 ltr/pail
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.
Specific gravity	1.40 ± 0.05 kg/ltr

TECHNICAL INFORMATION

Shore Hardness	≥ 35 (after 2 hours)	(ASTM D2240)
Tensile Strength	Before Ageing	≥ 1.2 N/mm ²
	After Ageing (50 °C)	≥ 1.0 N/mm ²
	After immersion in 0.50 % NaOCl, 1.25 % NH ₄ OH or 3.70 % HCl for 72 hrs	≥ 1.0 N/mm ²
		(ASTM D412 : 2016a)

Elongation	Before Ageing	≥ 150 %	(ASTM D412 : 2016a)
	After Ageing (50 °C)	≥ 120 %	
	After immersion in 0.50 % NaOCl, 1.25 % NH ₄ OH or 3.70 % HCl for 72 hrs	≥ 120 %	
Tensile Adhesion Strength	After 3 days	≥ 0.2 N/mm ²	
Crack Bridging Ability	No crack @ 2 mm width. No crack after 10 cycles of stretching and closing to a width of 1 mm.		
Water Penetration under Pressure	0		

APPLICATION INFORMATION

Consumption	20.0 ltr of Sikalastic®-668 Dampflex will cover approximately 25 m ² at thickness 700 micron (wet film) depending upon site conditions.		
Drying Time	< 60 min	(Set to touch @ lab condition)	

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.

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

- All surfaces must be structurally sound, dry and free from dust, grease, wax, oil, curing compounds and other loose contaminating materials.
- All loose mortar or plaster, etc must be removed and then the entire area cleaned to remove dust and dirt.
- Remove all protrusions from the surface, which may pierce the applied membrane.
- All new concrete slabs should be allowed to cure for at least 28 days before applying Sikalastic®-668 Dampflex
- For old concrete, if necessary, clean the surface with a strong detergent or degreaser and remove all residue with water using a high-pressure hose. Allow the surface to dry thoroughly before applying Sikalastic®-668 Dampflex.
- Newly rendered surfaces must be allowed to cure for at least 7 days.

APPLICATION

- Apply the area using either a roller or brush, with Sikalastic®-668 Dampflex, directly from the can. Do not dilute as product is supplied ready to use.
- Allow the first coat to dry for 1 - 2 hours (depending on ambient temperature and humidity). Apply a second coat and allow it to dry for about 4 hours.
- A minimum of 2 coats should be applied. A third coat may be necessary to ensure that the whole surface is uniformly applied and no pinholes are left on the surface.
- Ponding test can be carried out 24 hours after application of final coat. Sikalastic®-668 Dampflex must be protected by rendering or screeding after application.
- Ensure sufficient falls are provided to prevent ponding of water.
- Do not apply if temperature is in excess of 45 °C or less than 10 °C
- Do not add sand to the Sikalastic®-668 Dampflex as this will reduce flexibility and could cause cracking.
- Do not use where negative hydrostatic pressure is evident.

CLEANING OF TOOLS

Tools and excess Sikalastic®-668 Dampflex can be cleaned up with water while it is still wet.

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.

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