

PRODUCT DATA SHEET

SikaTop®-128 K11 Flex Ocean Blue

(formerly Davco® K11 Flex Ocean Blue)

FLEXIBLE, COLOURED CEMENTITIOUS WATERPROOFING SYSTEM



DESCRIPTION

SikaTop®-128 K11 Flex Ocean Blue is a premium grade, highly flexible, concealed cementitious waterproofing system with high elongation for waterproofing substrates prone to movement and cracking.

SikaTop®-128 K11 Flex Ocean Blue is a two-component product composed of a cementitious powder and solvent free liquid. Its distinctive Ocean Blue tone makes it easy to ensure that the SikaTop®-128 K11 Flex Ocean Blue is adequately applied over the entire application area. With good adhesion to many substrates, and high flexibility for superior crack bridging capabilities, SikaTop®-128 K11 Flex Ocean Blue can be used as a repair material for bridging cracks in substrate or cracks due to shrinkage, up to 2 mm width.

SikaTop®-128 K11 Flex Ocean Blue can be skimmed, plastered and tiled on directly without any reduction in its bond strength.

USES

Apply on internal and external surface of precast panel wall and slab, and sealing of precast joints.

CHARACTERISTICS / ADVANTAGES

- Low VOC, water-based and non-toxic
- Colour Blue for easy verification of application area coverage
- High elongation with crack bridging properties
- Good adhesion to various substrate.
- Seals lightweight aerated blocks
- Will not attack metal

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4099

PRODUCT INFORMATION

Packaging	36 kg/set
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	> 40	(ASTM D2240 : 91)
Tensile Strength	≥ 1.5 N/mm ² , 28 days ≥ 1.2 N/mm ² after immersion in 0.50 % NaOCl, 1.25 % NH ₄ OH or 3.70 % HCl for 72 Hrs	(ASTM D412 : 2016)

Elastic Recovery	Passed	(Bridge cracks up to 2 mm)
Tensile Adhesion Strength	Adhesion to concrete > 0.3 N/mm ²	(ASTM D4541)
Chemical Resistance	NaOCl	0.5 %
	NH ₄ OH	1.25 %
	HCl	3.7 %
	Toxicity Passed	(SS 375)
Resistance to Water Penetration	On concrete by more than 7 times @ 0.2 kgf/cm ² Passed	(DIN 1048)
Chloride Content	< 0.01 %	
Elongation at break	≥ 150 %, 28 days ≥ 150 % after immersion in 0.50 % NaOCl, 1.25 % NH ₄ OH or 3.70 % HCl for 72 Hrs	
	(ASTM D412 : 2016)	

APPLICATION INFORMATION

Consumption	Set Size (kg)	Coverage (m ²)	Thickness (mm)
	36	~ 14 - 19	1.2 - 1.5
Pot Life	2 hours	(~30 °C)	
Drying Time	1 - 3 hours	(Touch Dry)	
Contact Time	4 hours	(Foot Trafficable)	

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

- SikaTop®-128 K11 Flex Ocean Blue must be protected by rendering, or tiling after application.
- Ponding Test can be 24 hours after application

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 contaminating materials. Fill all voids, cracks, edges and angles with SikaGrout®-180 or suitable repair material, so that the prepared surface is sound, even and level.

MIXING

Pour SikaTop®-128 K11 Flex Ocean Blue - Liquid into a clean mixing container. Add the SikaTop®-128 K11 Flex Ocean Blue - Powder gradually while mixing until a lump free plastic consistency is achieved. It is recommended that mechanical mixing (400-500 rpm) should be used for 2 - 3 minutes to ensure proper dispersion of the components.

NO ADDITION OF WATER IS ALLOWED.

APPLICATION

- Pre-wet the surface with clean water. Do not allow water ponding.
- Very porous surface must be primed with Sikalastic®-500 Acrylic Primer AP prior to applying SikaTop®-128 K11 Flex Ocean Blue.
- 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 SikaTop®-128 K11 Flex Ocean Blue 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. The 2nd coat should be applied in a direction perpendicular to the 1st coat.

CLEANING OF TOOLS

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

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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