



K11 FLEX OCEAN BLUE

FLEXIBLE, COLOURED CEMENTITIOUS WATERPROOFING SYSTEM



COLOURED



HIGH
ELONGATION



HIGH
STRENGTH

DESCRIPTION

Davco 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.

Davco 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 Davco 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, Davco K11 Flex Ocean Blue can be used as a repair material for bridging cracks in substrate or cracks due to shrinkage, up to 2mm width.

Davco 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.

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
- Anti-carbonation protection
- Will not attack metal

TECHNICAL DATA

Tensile Strength	> 1.2N/mm ²	ASTM D412-92
Elongation at break	> 250%	ASTM D412-92
Adhesion to concrete	> 0.3 N/mm ²	ASTM D4541
Hardness Shore A	> 40	ASTM D2240 : 91
Improves water resistance of concrete by more than 7 times @ 0.2kgf/cm ²		Passed DIN 1048
Chemical resistance		Passed
NaOCl - 0.5%		
NH ₄ OH - 1.25%		
HCl - 3.7%		
Toxicity		Passed SS 375
Bridge cracks up to 2mm		Passed
Chloride Content		< 0.01%
Pot Life (@30°C)		Approx. 2 hours
Drying Time (30°C) Touch Dry		Approx. 1-3 hours
Foot Trafficable		4 hours
Ponding Test		24 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.



BUILDING TRUST





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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 Davco Grout 180 ECO or suitable repair material, so that the prepared surface is sound, even and level.

MIXING & APPLICATION

Pour Davco K11 Flex Ocean Blue - Liquid into a clean mixing container. Add the Davco K11 Flex Ocean Blue- 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 Acrylic Primer prior to applying Davco 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 Davco 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 director perpendicular to the 1st coat.

Davco K11 Flex Ocean Blue must be protected by rendering, or tiling after application.

COVERAGE & PACKAGING

A 36 kg set unit will cover approximately 15m² to 20m² at a thickness of 1.2mm to 1.5mm.

A 12 kg set unit will cover approximately 5m² to 7m² at a thickness of 1.2mm to 1.5mm.

SHELF LIFE

Davco K11 Flex Ocean Blue has a shelf life of up to 12 months in unopened bags and containers when stored in a cool dry and elevated position.

CLEANING

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

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.

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

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