

PRODUCT DATA SHEET

SikaTop[®]-118 K11 Flex EC

(formerly Fleximent[®] 201)

FLEXIBLE CEMENTITIOUS WATERPROOF COATING

DESCRIPTION

SikaTop[®]-118 K11 Flex EC is a two-component, flexible cementitious waterproof coating comprising of a proprietary synthetic resin dispersion and a blend of selected cement and graded fillers. Once cured, the membrane allows entrapped water vapour to escape but yet remain impermeable to water.

USES

- Flexible, adheres to most surfaces and fills hairline cracks
- Excellent resistance to wear, weather, abrasion, aggressive soils and contaminated ground water.
- Acts as an effective waterproof coating for floors, walls, water retaining structures and planter boxes.

CHARACTERISTICS / ADVANTAGES

SikaTop[®]-118 K11 Flex EC acts as an effective waterproof coating for floors, walls, water retaining structures and planter boxes.

SikaTop[®]-118 K11 Flex EC may be applied onto surfaces in contact with potable water and damp surfaces. It contains no chlorine and salts that cause corrosion and efflorescence and is resistant to frost and thawing salts.

APPROVALS / STANDARDS

SikaTop[®]-118 K11 Flex EC meets the requirements of British Standard BS 6920:90 and Singapore Standard SS 375:94 for suitability of products in contact with water intended for human consumption.

PRODUCT INFORMATION

Packaging	32 kg/set
Colour	Grey
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.
Density	1,300 kg/m ³

TECHNICAL INFORMATION

Shore A Hardness	> 50	(ASTM D2240)
Tensile Strength	1.6 N/mm ²	(ASTM D412)
Tensile Adhesion Strength	Adhesion to substrate > 1.0 N/mm ²	
Crack Bridging Ability	2 mm	(ASTM C836)

Water Vapour Transimission	< 21 g/m ² .d	(ASTM E96-93)
Resistance to Water Penetration	0, no water penetration	(DIN 1048)
Elongation at break	> 150%	(ASTM D412)

APPLICATION INFORMATION

Layer Thickness	Apply SikaTop®-118 K11 Flex EC in 2 coats at 1.0 kg – 1.1 kg per sq.m. per coat for final dry film thickness of approximately 1.2 mm.
Pot Life	~ 1 hour (@ 35°C)
Drying Time	1 – 3 hours

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

APPLICATION

Surfaces should be clean, free from honeycombs, voids, dirt, loose material, paint, oil, curing agents or other contaminants.

Prior to application, dampen substrate with a brush or roller.

- Pour Part A (liquid) into a clean container.
- Pour Part B (powder) slowly into Part A.
- Mix with a low speed drill fitted with purpose-made paddle
- Ensure that mix is homogeneous and lump-free.

Apply SikaTop®-118 K11 Flex EC by squeegee, roller or brush to horizontal and vertical surfaces. Ensure that air is not entrapped in the membrane. Apply slurry with a brush at joints and corners ensuring that areas are worked and covered well. Allow curing to take place completely before applying second coat.

Protect freshly applied surfaces from strong sunlight and drying wind with a polyethylene sheet. Cover SikaTop®-118 K11 Flex EC with protective screed as soon as possible once cured. Exercise care to prevent damage to waterproofing during subsequent construction work prior to laying of protection screed.

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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