

K11 Flex System

DESCRIPTION

K11 Flex is a flexible 2-part acrylic-modified cement based waterproofing system. The two components of K11 Flex react chemically after mixing to form a hard and elastic film which bonds to most concrete or masonry substrates. The application of K11 Flex requires surfaces to be pre-wetted.

USES

Waterproofing internal or external surfaces; including tanking basements, swimming pools, balconies, water tanks and pits.
Sealing precast joints and intersection of two concrete elements.
Protection to lightweight, hollow & aerated blocks.

SUITABLE FOR USE ON

• Concrete • Brickwork • Lightweight Blocks

TECHNICAL DATA

Tensile Strength > 1.7N/mm² ASTM D412-92
Elongation at break > 170% ASTM D412-92
Adhesion to concrete > 1.0 N/mm² ASTM D4541
Hardness Shore A > 75 ASTM D2240 :91
Improves water resistance of concrete > 700%
@ 0.2kgf/cm²
Bridge cracks up to 2mm
Water vapour transmission < 25 g / m² / 24 hrs
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
Field performance will depend on installation methods and site conditions

SURFACE PREPARATION

Clean the substrate of any protrusion and 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 so that the Prepared surface is sound, even and clean

MIXING

Put K11 Flex Liquid into a clean mixing container. Stir in the K11 Flex Powder gradually and mechanically mix at 400-500 rpm for 2-3 minutes to ensure proper dispersion of the components.
DO NOT ADD WATER

APPLICATION

Thoroughly pre-wet surfaces with clean water. Apply the mixed material onto the prepared surface using a block brush, squeegee or roller. 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 levelled before applying the K11 Flex.
Before a 2nd coat is applied, the 1st coat must be left for approximately 2-3 hours or until it is dry but tacky. K11 Flex must be protected by a render coat or screed

COVERAGE

Allow 2kg / m² for above ground (1-coat application)
Allow 4kg / m² for below ground (2-coat application)

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.
Product is classified as non-hazardous



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