KISCOTE FC

Flexible Cementitious Waterproofing Membrane

032-195-2818
Environmentally
Preferred Coating

DESCRIPTION

KISCOTE FC is a 2 component; high-technology polymer modified flexible cementitious waterproofing membrane. When fully cured, it forms a seamless elastic waterproof membrane.

RECOMMENDED USE

- Bathrooms
- Basement Walls and Lift Pit
- Environmental Deck
- Kitchens and Toilets
- Planter Boxes
- Ponds
- Potable Water Tank
- Pre-cast joints for Gable and Walls
- Protection of Concrete Structural in Marine Environment
- Roof and Roof Terrace
- Sealing and coating over tie-bar holes
- Swimming Pool and Water Feature
- Waterproofing to External Wall
- Wet Areas

ADVANTAGES

- Able to withstand light foot trafficking
- Able to withstand high hydrostatic pressure
- Breathable
- Can be applied to damp substrates
- Does not contain chloride or other corrosive salts which cause efflorescence
- Economical and simple to apply
- Excellent adhesion
- Fast setting time
- Flexible – able to bridge hairline cracks up to 2mm
- High water resistance
- Non-toxic. Resistant to algae and fungus growth

PACKAGING

KISCOTE FC is supplied in 41kg per set
- Part A (Powder) = 25 kg, Part B (Liquid) = 16 kg

KISCOTE FC is supplied in 12kg per set
- Part A (Powder) = 7.3 kg, Part B (Liquid) = 4.7 kg

APPLICATION GUIDELINES

a) Surface Preparation

- Receiving surface shall be relatively even and smooth finish.
- Surface must be clean and free of voids, loose materials, oil grease, curing compounds, sealers and any foreign matters.
- Areas at brick-walls to receive waterproofing; brick pointing must be made evenly flush.
- Prior to the application of waterproofing, all floor trap pipes must be cut, made same level of the receiving surface.
- All crack-lines, holes, honeycomb or unsound surface must be patched and repaired with KISCRETE 1.
- Along all horizontal floor/ vertical wall junctions, corners and around pipe protrusions a cement sand mortar filler must be formed.
- Surface must be pre-water (dampened) prior to application of KISCOTE FC.

b) Mixing

Mix by pouring KISCOTE FC liquid into a clean container and slowly add KISCOTE FC powder. Stir constantly using low speed paddle mixer until the mixture is homogenous and free of lumps. Do not add water. All mixture must be used within 30-40 minutes.

c) Application

- Apply the mixed KISCOTE FC compound with brush or roller onto the receiving surface.
- The recommended wet film thickness is minimum 0.6mm per coat for horizontal floor and 0.5mm per coat for vertical wall.
- KISCOTE FC is applied in two coats, achieving a total minimum dry film thickness of 1.0mm for horizontal floor and 0.8mm for vertical wall.
- Allow approximately 1 hour for first coat to cure before applying the second coat.
- Leave the second coat of KISCOTE FC to cure for at least 24 hours before proceeding to conduct any flooding test.
- KISCOTE FC must be protected against direct heavier usage after passing the flooding test with a floor screed or other plastering materials.

LIMITATION

KISCOTE FC must not be applied during rain or when rain is expected for unsheltered application.

COVERAGE

- Approximately 0.75 kg of KISCOTE FC mixture per coat per square meter.
- 41 kg/ set can cover approximately 27 square meter (2 coats).
- 12 kg/ set can cover approximately 8 square meter (2 coats).

(Coverage may vary with surface and other site conditions)

STORAGE

KISCOTE FC should be stored in tightly sealed original packing at room temperature up to 12 months from date of manufacturing.

HEALTH & SAFETY

Refer to SDS for further information.

TECHNICAL PROPERTIES

KISCOTE FC		
	Part A	Part B
Appearance	Powder	Liquid
Colour	Grey	White
Density	1.45 (Mixture)	
Mix Ratio (by weight)	1.0	0.64
PROPERTIES		
Adhesion-to-substrate (ASTM D4541)		> 1.2 N/mm^2
Chloride content (Potentiometric Titration)		< 0.008%
Crack bridging (ASTM C836)		No cracks at 2mm width
Tensile strength (ASTM D412)		1.5 N/mm^2
Elongation at break (ASTM D412)		> 160%
Water penetration (DIN 1048 PART 5) Remark: 0.2kgf/cm^2 for 12 hours		No water penetration
Toxicity test (SS375: 2015)		Passed
Shore a hardness (ASTM D2240)		> 80
Set-to-touch (ASTM D1640)		1 hour
Classification of reaction to fire (EN13501-1:2007+A1:2009)		A1

IMPORTANT NOTES

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/or suggestions made by the company representatives, agents and/or distributors.

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