



KISCOTE SC

Spray Applied High Performance Cement-based Waterproofing Membrane

DESCRIPTION

KISCOTE SC is a sprayable waterproofing membrane designed for a wide range of structures such as tunnels and its shell linings, shafts, diaphragm walls and other below-grade elements. Its high-performance of water-tightness and adhesion to substrate and subsequent concrete layers is made possible by a specially-formulated blend of re-dispersible VA/E polymer and cement materials. In tunnel shell lining, it is sprayed in between two concrete layers thereby creating a seamless and elastic waterproofing solution.

RECOMMENDED USE

- Tunnels and its shell linings
- Basement Walls and Lift Pit
- Water Tank
- Protection of Concrete Structural in Marine Environment
- Swimming Pool and Water Feature

ADVANTAGES

- Sprayable by hand spray equipment or robotic systems
- Able to withstand high hydrostatic pressure
- Compatible to concrete cast
- Can be applied to damp substrates
- Does not contain chloride or other corrosive salts which cause efflorescence
- Excellent adhesion even to metal parts such as reinforcing bars
- Fast setting time – overcoating is possible after 24 hours from application
- Non-toxic.

PACKAGING

KISCOTE SC is supplied in 20kg bag

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.
- 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 patching mortar.
- 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 SC.



b) Mixing

Mix by pouring water into the pump container and add KISCOTE SC powder to it. Stir constantly using low speed paddle mixer until the mixture is homogenous and free of lumps.

c) Application

- Apply the mixed KISCOTE SC compound with a consistent-flow pump and spray.
- The recommended coverage is 3-5 kg/m² but it may differ due to site requirement.
- The final dried thickness must be at least 2 mm.
- KISCOTE SC should be applied in two coats if the condition allows.
- Allow approximately 1 hour for first coat to cure before applying the second coat.
- KISCOTE SC should be allowed to cure for at least 24 hours before a second overcoat or other preformed membrane sheet is installed over it.

LIMITATION

KISCOTE SC must not be applied onto a substrate with water ingress. This can be first resolved with use of injection resin such as KisEpo 30W.

COVERAGE

- Approximately 3-5kg for 1 square meter
**(Coverage may vary with surface and other site conditions)*

STORAGE

KISCOTE SC 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 SC	
Appearance	Powder
Colour	Grey
Density (Bulk)	600 g/l
PROPERTIES	
Adhesion-to-substrate (ASTM D4541)	> 1.8 N/mm ²
Tensile strength (ASTM D412)	1.5 N/mm ²
Elongation at break (ASTM D412)	> 160%
Water penetration (DIN 1048 PART 5) Remark: 5kgf/cm ² for 72 hours	No water penetration
Toxicity test (SS375: PART 1)	Passed
Shore a hardness (ASTM D2240)	> 90
Set-to-touch (ASTM D1640)	1 hour

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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