



KISCOTE SI

Silicate-Based Impregnator

DESCRIPTION

KISCOTE SI is an outstanding and reliable solution to imparting waterproofing properties to concrete without the use of any membrane or coating. KISCOTE SI impregnates deep into the structure to form a non-water soluble barrier by reacting with the chemical compounds from the cement hydration of the concrete. This chemical process will also improve surface hardness, resistance to abrasion and chemicals.

RECOMMENDED USE

- Bridge decks
- Car parks
- Concrete tanks
- Dams
- Pre-cast elements
- Roofs / Podium decks
- Run ways of transportation services
- Toilets
- Tiled areas
- Water retention structures
- Wharves

ADVANTAGES

- 100% trafficking and will not be damaged by mechanical means at the surface.
- Extremely easy to apply.
- Excellent compatibility to concrete and last the lifetime of the concrete.
- Non-toxic.
- Seals cracks up to 2mm width.
- Rapid curing time.
- Ready to use even on damp substrates.

PACKAGING

KISCOTE SI is supplied in 20 litres pail and 200 litres tank

APPLICATION GUIDELINES

a) Surface Preparation

- Receiving surface must be clean and free of voids, loose materials, oil, grease, curing compounds, sealers and any foreign matters that may reduce penetration.
- Concrete must be of sound quality and prepared according to good practice of adequate curing, vibration and compaction.
- Old and worn out concrete may need special treatment before the application of KISCOTE SI for best results.
- Ensure all metal, glass or painted railings are protected from KISCOTE SI.



b) Application

- Stir well prior to application of KISCOTE SI with brush, roller or suitable spraying equipment onto the receiving surface.
- The recommended application rate is minimum 1L/5m². For area with presence of cracks, application rate is for 1L/3m².
- Flood the area with KISCOTE SI at the recommended application rate.
- Allow approximately 1-6 hour for first application to dry before flooding the area with clean water.
- It is recommended to repeat the flooding with clean water for the next 2 subsequent days.

LIMITATION

KISCOTE SI must not be applied as follows: -

- At temperature, outside 5-40°C.
- On concrete substrates that are not structurally sound or with large/non-static cracks greater than 2mm in width.
- At construction joint or pour joint.

COVERAGE

- Approximately 0.2-0.3 litres of KISCOTE SI per square meter.
- 1 pail of KISCOTE SI is expected to cover an area of 60 to 100 square meter.

**(Coverage expected to vary with respect to surface condition).*

STORAGE

KISCOTE SI 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 SI	
Application limits	5 – 40°C
Colour	Colourless to tinted
Non-volatile content (ASTM D1644)	≥ 30%
Density (ASTM D891)	1.20-1.25 g/ml
Viscosity	< 100 cps
Water penetration (DIN 1048 PT 5, 5 bar for 72 hrs)	< 6mm
Water absorption (ASTM C642, 48 hrs immersion)	1.7%

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.

All information contained in this document is effective from date shown and supersedes all previous version. Please check with your local KENSETSU office to confirm that this is up to date version.

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