KISCOTE AR

Liquid Applied Anti-Root Waterproofing Membrane

DESCRIPTION

KISCOTE AR is a single component, elastomeric liquid applied waterproofing membrane specially designed for waterproofing planter boxes, roof gardens and the growing demands for architectures with greeneries.

KISCOTE AR cures quickly to a seamless waterproof membrane that provides a harmless resistance against penetrating properties of plant roots. It is easy to apply as contrast to preformed membranes.

RECOMMENDED USE

- Environmental deck
- Planter boxes
- RC and other roof gardens
- Vertical façade

ADVANTAGES

- Economical and simple to apply
- Excellent adhesion
- Fast curing time
- Flexible
- High water resistance
- No mixing required

PACKAGING

KISCOTE AR is supplied in 24kg per pail

APPLICATION GUIDELINES

a) Surface Preparation

- Receiving surface shall be of relatively even and smooth finish.
- Surface must be clean and free of voids, loose materials, oil grease, curing compounds, sealers and any foreign matters.
- All brick-walls must be made flush before application.
- Prior to application of KISCOTE AR, all floor trap pipes must be cut, made to same level of the receiving surface.
- All crack-lines, holes, honeycomb or unsound surface must be patched and repaired with our high strength grouting material, KISCRETE 1.
- Along all horizontal floor and vertical wall joints, junction corners and around pipe protrusion, a 25 x 25mm cement sand mortar fillet must be formed.

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b) <u>Application</u>

- Apply KISCOTE AR with brush or roller onto the receiving surface.
- The recommended wet film thickness is minimum 0.6mm per coat.
- KISCOTE AR is applied in two coats, achieving a total minimum dry film thickness of 1.0mm.
- Allow approximately 4-6 hour for first coat to cure before applying the second coat.
- Leave the second coat of KISCOTE AR to cure overnight before proceeding to conduct any flooding test.
- KISCOTE AR must be protected against direct UV-radiation and heavy human traffic after passing the flooding test with a floor screed.

LIMITATION

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

COVERAGE

- Approximately 0.6 – 0.7 kg of KISCOTE AR per coat per square meter.
- 1 pail of KISCOTE AR is expected to cover an area of 17 to 20 square meter (2 coats).

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

STORAGE

KISCOTE AR should be stored in tightly sealed original packing, and a 12-month shelf life can be expected from date of manufacturing.

HEALTH & SAFETY

Refer to SDS for further information.

TECHNICAL PROPERTIES

KISCOTE AR	
Appearance	Black
Density	1.39 – 1.41 g/ml
Total solids	>70
Viscosity at 20rpm	3,500 – 5,500 cps
PROPERTIES	
Adhesion-to-substrate (ASTM D4541)	>2.0 N/mm^2
Crack bridging (ASTM C836)	No cracks at 2mm width
Elongation at break (ASTM D412)	>540%
Water penetration (DIN 1048 Part 5)	No water penetration
Tensile strength (ASTM D412)	>4.50 N/mm^2
Shore A hardness (ASTM D2240)	>80
Resistance to roots growth (CEN/TS 14416)	No penetration
Water vapour transmission (ASTM E96)	22g/m^2/24hrs
Tear strength (ASTM D412)	>25 N/mm

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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