



# KISCOTE FP

## Polyurethane Liquid Applied Waterproofing Membrane

### **DESCRIPTION**

KISCOTE FP is a specially formulated single-component, cold applied, moisture-cured elastomeric polyurethane waterproofing membrane. When fully cured, it forms a seamless, highly flexible but tough membrane which will bond strongly onto the structure.

### **RECOMMENDED USE**

- Wet areas (under tile) in bathrooms, kitchens, balconies
- Below-grade slabs and wall
- Cold room
- Concrete tanks
- Culverts, drains, fountains
- Ground slabs prior to the laying of any finishes
- Lift pits
- Planter Boxes
- Retaining walls
- Sea-walls and similar areas that require waterproofing properties.
- Sealing and coating over tie-bar holes
- Roof

### **ADVANTAGES**

- Able to withstand light foot trafficking
- Able to withstand high hydrostatic pressure
- Economical and simple to apply
- Elastomeric and seamless
- Excellent adhesion to most construction structures
- Rapid curing time
- Resistant to algae and fungus growth
- Resistant to detergent, oils, seawater and many industrial chemicals
- Resistant to frost
- Resistant to big changes in temperature from sub-zero to over 70°C

### **PACKAGING**

KISCOTE FP is supplied in 24kg per pail

## **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.

### **b) Application**

- Stir well prior to application of KISCOTE FP with brush, roller or suitable spraying equipment onto the receiving surface.
- The recommended wet film thickness is 0.6mm per coat for both horizontal floor and vertical wall.
- KISCOTE FP is applied in two coats, achieving a total dry film thickness of 1.0mm for both horizontal floor and vertical wall.
- Allow approximately 4-6 hours for first coat to dry before applying the second coat.
- Leave the second (or final) coat of KISCOTE FP to dry for at least 24 hours before proceeding to conduct any flooding test.
- KISCOTE FP must be protected against direct UV-radiation and heavier usage after passing the flooding test with a floor screed or other plastering materials.

## **LIMITATION**

**KISCOTE FP must not be applied as follows: -**

- During rain or when rain is expected for unsheltered application.
- On substrates that are not dry or fresh concrete with very high moisture content.
- In areas subjected to rising damp or negative hydrostatic pressure.
- To be left exposed externally or exposed to regular foot traffic.
- As sealant for expansion, control or structural joints.

## **COVERAGE**

- Approximately 0.6 – 0.7 kg of KISCOTE FP per coat application per square meter.
- Approximately 1.2 – 1.4 kg of KISCOTE FP for 2 coats application per square meter.
- 24 kg/ pail can cover approximately 17 – 20 square meter (2 coats).

*\*(Coverage may vary with surface and other site conditions)*

## **STORAGE**

KISCOTE FP 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 FP  |  |
|---|--|
| Application Limits                                  | 5 – 35°C   |
| Adhesion to concrete (ASTM D 903)                   | > 2.0 N/mm <sup>2</sup>                                      |
| Colour  | Black  |
| Tear strength (ASTM D624)                           | > 15 N/mm  |
| Crack bridging (ASTM C836)                          | No cracks at 2mm width                                       |
| Density   | 1.4 ± 0.01 g/cm <sup>3</sup>                                 |
| Thermal resistance, 80°C for 100 days (EOTA TR-011) | No significant changes                                       |
| Resistance to water pressure (DIN EN 1928)          | No leak (1m water column, 24h)                               |
| Shore a hardness (ASTM D2240)                       | 35   |
| Tensile strength (ASTM D412)                        | > 2.8 N/mm <sup>2</sup>                                      |
| Elongation at break (ASTM D412)                     | > 500%   |
| Viscosity (CPS)                                     | 4500 ± 1000  |
| Water vapour transmission (ASTM E 96)               | 9.0 g/m <sup>2</sup> /24hours                                |
| Tack free time                                      | 8 hours  |
| Light pedestrian traffic time                       | 24 hours   |
| Chemical resistance for 3 days (ASTM D543)          | No disintegration, blistering, swelling, cracking or crazing |
| a) 0.5% NaOCL                                       |  |
| b) 1.25% NH <sub>4</sub> OH                         |  |
| c) 3.7% HCL   |  |

### **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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