



# KISCOTE EPS

## Self-Adhesive Waterproofing Membrane for Exposed Application

### DESCRIPTION

KISCOTE EPS is a cross laminated self-adhesive membrane compounded with bitumen an asphalt material, modified with APP reinforcement, and consists of a HDPE film. KISCOTE EPS is a cold applied and does not require any hot air or naked flame during installation. A fast, clean, safe and easy installation can be achieved with KISCOTE EPS on both vertical and horizontal surfaces for excellent waterproofing performance.

### RECOMMENDED USES

- Basements
- Below-grade slabs and wall
- Between slabs of courtyard areas, parking decks, plaza decks and roof decks
- Bridges, highway
- Concrete tanks
- Culverts
- Dams
- Drains
- Foundations
- Ground slabs and beams
- Ground slabs prior to the laying of any finishes
- Lift pits
- Metal Roof
- Planter Boxes
- Precast joints
- Reservoirs
- Retaining walls
- Reinforced concrete roofs
- Tunnels

### ADVANTAGES

- Cold applied, easy to install – does not require any special tools, save time and safe installation which eliminates the hot air or naked flames torching method.
- Effective water vapour barrier, no adhesive tape or glue required.
- Fully bonded system, excellent continuous adhesion which prevents lateral migration of water.
- Highly flexible and excellent adhesion to structures.
- Preformed – factory-controlled manufacturing ensures uniform thickness.
- Subsequent works can be carried out immediately after installation.
- UV resistant and can be used on exposed area.

### PACKAGING

KISCOTE EPS is supplied in 10m<sup>2</sup> per roll.

## **APPLICATION GUIDELINES**

### a) Surface Preparation

- Receiving surface shall be relatively even and smooth finish.
- Surface must be sound, clean and free of irregularities, loose particles, voids, loose materials, oil, grease, curing compounds, sealers and any foreign matters.
- All crack-lines, holes, honeycomb or unsound surface must be patched and repaired with KISEPO 10, KISEPO 20 or KISCRETE 1.
- Along all horizontal floor/ vertical wall junctions, corners and around pipe protrusions a cement sand mortar filler must be formed.
- All brickworks shall be flush pointed or rendered to provide smooth surface before priming.
- Areas primed and not covered by KISCOTE EPS in 24 hours must be re-primed.

### b) Application

- Prior to the application of KISCOTE EPS, all prepared surfaces should be primed with KISCOTE B2 PRIME - bituminous primer at a rate of 5 – 8m<sup>2</sup> per litre and allow KISCOTE B2 PRIME to dry 30 minutes or until tack free.
- KISCOTE EPS must be applied from the lowest point and enable laps to shed water.
- During and after installation of KISCOTE EPS, ensure that membranes are properly adhered to the primed surfaces.

### c) Overlapping

At all edges and end laps, an over-lapping between two layers of KISCOTE EPS must be created and must be maintained clean and free from dirt, dust and grease. The overlap should not be less than 50mm. External and internal corners should be reinforced with an extra layer of KISCOTE EPS with a minimum width of 300mm.

### d) Pipe and Other Penetration

Whenever a penetration (such as pipe penetration) exists, a cement and sand mortar angle fillet strip should be built prior to the application of KISCOTE B2 PRIME and installation of KISCOTE EPS.

## **STORAGE**

KISCOTE EPS should be stored at room temperature, kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, a 12-month shelf life can be expected from date of manufacturing.

KISCOTE EPS must be stacked or stored in a manner to prevent damages from the weight of another roll or other materials.

## **LIMITATION**

KISCOTE EPS must not be applied as follows: -

- During rain or when rain is expected for unsheltered application.

## **HEALTH & SAFETY**

Refer to SDS for further information.

## **TECHNICAL PROPERTIES**

KISCOTE EPS	
Appearance	Black
Thickness	2.0 ± 0.2mm
Watertightness (EN 1848-1)	> 60 kPa
Elongation at break (EN 12311-1)	(Long.) 35% (Tran.) 35%
Tensile strength (EN 12311-1)	(Long.) 400N/50mm (Tran.) 300N/50mm
Resistance to tearing – Nail Shank (EN 12310-1)	(Long.) 130N (Tran.) 130N
Resistance to impact (EN 12691/A)	700mm
Resistance to static loading (EN 12730-1/B)	10kg
Dimensional stability (EN 1107-1)	± 0.3%
Form stability under cyclical temperature change (EN 1108)	NPD / 10
Artificial aging by long term exposure to elevated (EN 1296)	NPD
Adhesive of granules (EN 12039)	< 30%
Water vapour transmission properties (EN 1931)	20.000 U
Resistance to root penetration (PrEN 13948)	NPD
Peel resistance of joints (EN 12316-1) (N/50mm)	NPD

### **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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