KISCOTE PS

Self-Adhesive Waterproofing Membrane

032-195-2994
Environmentally
Preferred Coating

DESCRIPTION

KISCOTE PS is a self-adhesive, cold applied, rubberized bitumen asphalt compound modified with polymers, high performance waterproofing membrane and protected with high density, polyethylene film to enhance the membrane's chemical and puncture resistance.

RECOMMENDED USE

- 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
- 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.
- Complies to LTA specifications.
- Highly flexible and excellent adhesion to structures.
- Preformed – factory-controlled manufacturing ensures uniform thickness.
- Subsequent works can be carried out immediately after installation.

PACKAGING

KISCOTE PS is supplied in 20m^2 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 PS in 24 hours must be re-primed.

b) Installation

- Prior to the application of KISCOTE PS, all prepared surfaces should be primed with KISCOTE B2PRIME - bituminous primer at a rate of 5 - 8m^2 per litre and allow KISCOTE B2PRIME to dry 30 minutes or until tack free.
- KISCOTE PS must be applied from the lowest point and enable laps to shed water.
- During and after installation of KISCOTE PS, 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 PS 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 PS 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 B2PRIME and installation of KISCOTE PS.

e) Protection of membrane

- After installation, it is recommended to protect KISCOTE PS with a protective board or screed. It should not be left exposed to avoid damages caused by other trades and weather for an extended period of time.

LIMITATION

KISCOTE PS must not be applied as follows: -

- During rain or when rain is expected for unsheltered application.
- To be left exposed for damaged and weather for an extended period of time.

STORAGE

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

HEALTH & SAFETY

Refer to SDS for further information.

TECHNICAL PROPERTIES

KISCOTE PS	
Appearance	Black
Membrane thickness (DIN 53353)	1.5mm
Dimensional stability (SS 374) a) Longitudinal b) Transverse	 a) < 0.03% b) < 0.03%
Tensile Strength (SS 374) a) Normal curing b) Thermal aging	 a) > 5.0 MPa b) > 5.0 MPa
Elongation (SS 374) a) Normal curing b) Thermal aging	 a) > 650% b) > 650%
Peel adhesion strength (ASTM D903)	> 2000 N.m
Resistance to hydrostatic pressure (DIN 16726)	> 50m water head
Puncture impact strength (ASTM G14)	> 1000 N.mm
Change in properties after storage in aqueous solution (DIN 16726) a) Thickness b) Tensile Strength c) Elongation at Break d) Peel or Stripping Strength to Concrete e) Resistance to Hydrostatic Head f) Puncture Resistance	 a) < 10% b) < 10% c) < 10% d) < 10% e) < 10% f) < 10%
Impact strength (Perforation test) (DIN 16726:1986)	No puncture
Pliability (ASTM D146:04)	No failure
Resistance to leakage at joint UEATC M.O.A.T No. 27 (SS 374:1994, Appendix H)	No leakage

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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