



SK 2000S

SELF ADHESIVE WATERPROOFING MEMBRANE



ECO FRIENDLY



HIGH STRENGTH



SELF ADHESIVE

DESCRIPTION

Davco SK 2000S is a fully bonded, self-adhesive SBS (styrene butadiene styrene) modified bituminous sheet with high tack resins, waterproofing membrane for building use externally and internally.

Davco SK 2000S is highly resistance to impact and stretching for protection against damp, water under pressure and liquid pollutants.

The high density polythene film on the top surface gives the membrane excellent adherence and mechanical strength.

ADVANTAGES

- Thermoplastic
- For large areas
- Cold-applied
- no fire hazard
- Rodent proof
- Fast & ideal installation
- No expensive site equipment
- Fully bonded

Typical Application

- Flat roof Sealing
- Parking Decks
- Precast Joints
- Basement Tanking
- Moisture Barrier
- Tunnels



TECHNICAL DATA

Thickness	1.5mm 1.2, 1.8, 2.0mm available on request
Pliability (180° bend over 25mm diameter mandrel followed by 360° bend over the same mandrel in the opposite direction) ASTM D146:86	Passed
Dimensional stability (at 70°C for 6 hours) SS374:1994	< 0.2%
Elongation at Break SS374:1994	>450% (Trans) >500% (Long)
Tensile strength SS374:1994	>7 MPa (Trans)
Elongation - Ultimate failure of rubberized asphalt ASTM D412:92	>1000%
Tensile strength - film ASTM D412:92	45,000 KPa
Tensile strength at lap SS374:1994	All Samples tested failed outside the lap
Water absorption 24 hours ASTM D570:81	<0.1%
Water Vapour Transmission SS374:1994	<0.1 g/m ² /hr
Puncture Resistance ASTM E154:88	214N
Heat stability	+95°C
Cold flexibility	-20°C
Adhesion to primed concrete ASTM D1000	4.9 N/mm ²
Adhesion to steel ASTM D1000	5.8 N/mm ²
Exposure to salt, fungi, bacteria and other organism	Unaffected
Roll size	1.00m x 20.00m
Roll weight	33 kg/roll
Primer on concrete	Davco SK Primer
Resistance to hydrostatic pressure	Pass at 70m
Chemical Resistance (non-adhesive side of membrane), (No change or only slight change in yield stress and/or elongation)	Dilute acids, Dilute alkalis, Sulphates, Chloride, Fuel/Oil

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.





SK 2000S

SURFACE PREPARATION

Substrate Conditions

All substrates must be kept clean, dry, free from dust, grease, oil, laitance and any other loose contaminants.

All potholes, cracks, honeycombs must be patched or filled up with high strength non-shrink mortar. All substrates must be structurally sound.

Priming - An Element Of Concrete Surface Preparation Prime all surface with a layer of Davco SK Primer to seal up pinholes and enhance adhesion. Apply 2 layers for porous substrates. Leave for 1 - 3 hours.

If Davco SK2000S must be applied to a damp surface, prime with Davco Supaprime or Davco K11 System instead of using Davco SK Primer.

Laying and installing Davco SK2000S membrane

Cut the membrane to dimensions required. Affix Davco SK2000S to all required surfaces.

Position the roll of membrane on the area to be waterproofed (do not remove the release paper at this stage). Starting from the lowest point to the highest point to ensure laps shed water. Laps shall be minimum 50mm or on the white line premarked on the roll.

Roll up the membrane and unroll again this time pressing the membrane onto the primed surface while pulling the release paper under the roll, press the membrane onto the surface with the help of a metal roller, taking special care on the end joints.



Laying and installing Davco SK2000S membrane (con't)

If bubbles caused by air are being trapped underneath, simply pierce the bubble with a nail and press the air out towards the hole. The membrane will self seal.

One edge of the membrane is manufactured with a unique overlap system to guarantee a watertight seam between adjoining membrane. Remove release paper from this overlap seldedge on the edges while pressing the lappings with a pressure roller to form permanent seal.

Make sure that seal is complete around pipes and drainage facilities, secure by priming and applying Davco SK2000S in strips cut to size.

For extra security in edges and end joints, Davco SK2000S cut into 150mm width may be used in an overlapping position. All corners whenever possible should be further reinforced and overlapped with a separate strip of Davco SK2000S cut to required size.

Mechanical fixing of end laps is optional and necessary for heavy duty hydraulic installations.

PROTECTION OF MEMBRANE

For horizontal installations of Davco SK2000S, the membrane may be protected from heavy construction activities using a 6mm thick protection board or using a cement sand screed prior to casting of reinforced structural slab.

For vertical installations, the membrane should be protected from damage during backfilling.

HEALTH & SAFETY

Refer to safety data sheet.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.parexgroup.com.sg

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