

# Bitulen® SK374

Self-Adhesive Bituminous Membrane



## About Bitulen® SK374

Bitulen® SK374 is a self-adhesive 1.5 mm thick preformed waterproofing membrane for use in basements and substructures, to protect against water ingress.

Bitulen® SK374 comprises of cross-laminated SBS modified bitumen. The underside is protected by a silicone coated release paper.

Bitulen® SK374 meets the requirements of Singapore Standard SS 374:1994 for preformed sheet membranes.

Bitulen® SK374 provides an effective waterproofing membrane for foundations, tunnels, floors and flat roofs. Being cold-applied, it is ideal for installation in restricted and confined spaces.



## Areas of Application

- Basement walls & slabs
- Tunnels
- Concrete structures

## Advantages

- Easily applied
- Self-adhesive
- Resistant to hydrostatic pressure

## Technical Specification

	Test Method	Typical Value
Thickness	-	1.5 mm
Dimension	-	1 m x 20 m
Tensile strength	SS 374	>3.0 N/mm <sup>2</sup> (long.) >3.0 N/mm <sup>2</sup> (trans.)
Elongation	SS 374	>800% (long.) >360% (trans.)
Tensile shear at joints	SS 374	Passed
Resistance to leakage at joints	SS 374	Passed
Hydrostatic test	SS 374	Passed
Water vapour transmission	SS 374	0.07 g/m <sup>2</sup> /hr
Water absorption	SS 374	0.11%
Dimension stability	SS 374	0.06% (long) 0.08% (trans.)
Cold temperature flexibility	ASTM D5147	-30°C

## Installation Procedures

All surfaces shall be dry, smooth, free from voids, dust, oil, loose particles, and sharp protrusions. Concrete must be cured for at least 7 days before priming with an approved high penetration bituminous primer and allowed to dry tack-free before installing Bitulen® SK374.

All corners shall be covered first applying a 150 mm wide strip of Bitulen® SK374 before the installation of the full width membrane.

After removing the release paper, Bitulen® SK374 is then pressure bonded to the primed substrate. All laps must be at least 75 mm wide.

For floors, the installation of Bitulen® SK374 should be continued up the wall to connect with the damp-proof course in the walls. An angle fillet shall also be placed at junction and covered with a reinforcing strip prior to installing the membrane.

Bitulen® SK374 requires a protection layer of screed or polystyrene boards for slabs and walls respectively, or any other approved protection layers.

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