

CCI NEOPROOF SBS CL

SBS Self-adhesive Cross-laminated Bituminous Membrane

Description

CCI Neoproof SBS CL is a self-adhering cold applied bituminous, vapour and waterproof sheet membrane, bonded to cross laminated polyethylene sheet and protected with a peel-off siliconized release paper/film at bottom side. The layers of bitumen are uniquely formulated elastomeric bituminous compound which provide high adhesive properties and is suitable for high or low temperature application.

Domains of Application

CCI Neoproof SBS CL membranes are designed to form an impermeable protection for below grade concrete in the presence of hydrostatic pressure. CCI Neoproof SBS CL membranes are used generally (but not limited to) for the following applications:

- ✓ Waterproofing of industrial roofs
- ✓ Waterproofing the underside or topside of slabs-on-grade
- ✓ Protection of pre-stressed concrete panels or reinforced concrete cast-in-situ walls.
- ✓ Waterproofing of foundation walls below as well as above
- ✓ Waterproofing of pile caps, tie beams and raft foundations
- ✓ Damp-proofing of wet areas such as below shower basins.
- ✓ Waterproofing under tiles in kitchens and wet areas.
- ✓ Waterproofing of sewerage concrete manholes
- ✓ As a vapour-barrier membrane

Advantages

- ✓ Cold-applied, no heating is required
- ✓ Self-adhesive, no gas torch is required
- ✓ Eliminates fire hazard
- ✓ Remarkable resistance to aggressive attack of salts and chemicals
- ✓ Excellent dimensional stability
- ✓ Excellent tear and puncture resistance

Indicative Characteristics

Appearance	Black
Coating Asphalt Type	SBS - Self-adhesive compound
Softening Point (R&B), °C, ASTM D36	> 115

Penetration at 25°C, 0.1 mm, ASTM D5	55 to 75
Tensile strength-Film, N/mm ² , ASTM D638	
Longitudinal	42
Transversal	48
Tensile Strength - Composite Membrane N/5 cm	
Longitudinal	230
Transversal	310
Elongation - Composite Membrane, %, DIN 52123	
Longitudinal	230
Transversal	180
Puncture Resistance, N/mm, ASTM E154	220
Tear Strength-Film, N/mm, ASTM D1004	
Longitudinal	340
Transversal	310
Peel Strength-Film, N/mm, ASTM D1000	
Longitudinal	8
Transversal	2
Flexibility at 15°C, UEAtc M.O.A.T. 31	No Cracking
Resistance to Again after 2000 hours (Accelerated Weather - 0-Meter), ASTM D4799	No Deterioration
Water Resistance, %, ASTM D570	
After 24 hours	0.15
After 35 days	0.96
Environmental Resistance, ASTM D543	Confirms
Moisture Vapour Transmission Rate, g/m ² /24 hours, ASTM E96	0.3

Method of Application

Surface Preparation

The surface to be waterproofed must be smooth, clean and should be free of depression and loose aggregate. Any sharp protrusions such as nails, tying wire, etc. should be removed. Cracked concrete should be repaired and any depressions must be filled with mortar.

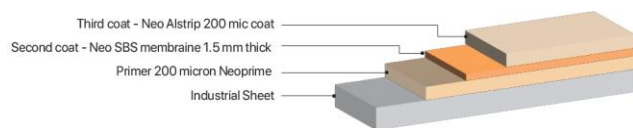
External sharp edges must be chamfered. It is important that the surface is free of oils, grease, and dust. Any moisture or condensation must be dried before commencing preparation works. Slabs must be totally dry as moisture left may be trapped inside.

Priming

The cleaned concrete / mild steel surface must be coated with CCI Neoprime P (heavy bodied bitumen coating and primer) which is compatible with the membrane. The primer must be spread evenly and allowed to dry completely. Only the area to be waterproofed on a given day should be coated with primer. Impenetrable surfaces need not to be primed but should be completely cleaned.

Application

CCI Neoproof SBS CL is applied by peeling off the quick release film and laying the membrane on a previously primed surface. As the membrane is sticky, care should be taken to ensure that the area is covered properly and uniformly, spreading the membrane evenly and expelling any trapped air by pressing the membrane down firmly, moving from mid-point to the edges.



Joints

The preparation of joints is an important and crucial part of the application procedure. The integrity of the joint is assured when the recommended procedures are followed. CCI Neoproof SBS CL membranes are produced with a 10 cm selvedge that is covered with silicone strip. Remove the release film before making a lap joint exposes a strip of bitumen not covered by the surfacing material.

The next roll of membrane is aligned with the membrane already fixed, by overlapping the fixed membrane by 10 cm. The quick release film backing of the second membrane is then peeled back a little at a time, together with the 10 cm release strip on the membrane already fixed.

The membrane is then firmly pressed onto the concrete surface while covering the selvedge strip of the first membrane. A heavy steam roller should be used to press the overlapping strip. This will ensure complete adhesion and continuity between the two membranes resulting in a secure joint.

Terminating the Membranes on Vertical Surfaces

CCI Neoproof SBS CL should be terminated in a horizontal groove made in the vertical surface. This should be followed with a suitable mastic bead.

Packaging

1 m × 15 m rolls.

Storage & Shelf life

12 months from the date of manufacturing when stored in dry condition at a temperature range from +5°C to 40°C and away from direct sun light. All rolls must be kept vertically stacked.

Precautions

CCI Neoproof SBS CL membranes should be protected against site abuse and damage by other means. The membrane should not be left exposed for more than a few hours. Protection boards or cement screeds should be used to cover the membrane.

Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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