

# NEOPROOF SBS (G)

## SBS modified, Self-adhesive, Polyester Fleece-surfaced, Bituminous Waterproofing and Protection Membrane

### Description

**Neoproof SBS (G)** is a self-adhesive SBS modified bituminous, waterproof membrane, laminated on to a tough polyester fleece to provide a highly superior waterproofing and protection membrane. The self-adhesive side is protected with a silicon release film. A selvedge is provided on one side of the membrane to give bitumen to bitumen contact on overlaps.

### Uses

It is used as a cold-applied waterproofing and damp proofing membrane in horizontal and vertical applications for protection of various substrates like concrete, masonry, aluminium, wood, etc., in wide range of uses. It can be laid on any type of GIG aluminium and asbestos corrugated sheets; medium to large roof slabs, basements and raft slabs, swimming pools, roof gardens, underground car parks, bridges, tunnels, etc. due to stick on application.

### Advantages

- ✓ Cold-applied, self-adhesive, and easy to apply.
- ✓ Excellent flexibility
- ✓ Excellent water tightness
- ✓ High tensile strength
- ✓ Tear and puncture resistance
- ✓ Capable of withstanding thermal and structural stresses
- ✓ Resistant to UV and sub soil chemicals
- ✓ Highly durable in exposure to weather

### Indicative Characteristics

Thickness (mm), DIN EN 1849-1	2.1
Mass per Unit Area (kg/m <sup>2</sup> ), UEatc	1.0 to 2.0
Top surfacing polyester (g/m <sup>2</sup> ), UEatc	250
Softening point (°C), ASTM D36	> 105
Tensile strength (L/T) [N/5 cm] DIN EN 1231-1	850/600
Elongation at break (L/T) (%) DIN EN 1231-1	30/40

Tear Strength (L/T) [N], ASTM D5147	450/400
Puncture Resistance (N), ASTM E154	> 1000
Adhesion Strength (N/mm) ASTM D 1000	1.8
Hydrostatic Pressure > 74 m, DIN 1048	No leakage
Chemical Resistance (pH), ASTM D543	3 to 11
UV Resistance, ASTM G154	Excellent

### Method of Application

The application temperature should be between 4°C to 45°C. The general recommended guideline for application is follows:

#### Priming

Clear the roof surface of any loose particles, undulations, etc. before application of Neoprime P at 4 m<sup>2</sup> to 6 m<sup>2</sup> per litre to a clean and dry surface by brush or spray. Allow the primer to dry prior to the application of the membrane. As the viscosity of the primer is low, it easily penetrates into the concrete pores which promotes the adhesion between the membrane and the concrete surface.

#### Alignment

Start the installation of the membrane from the lower points.

All overlaps of the membrane shall be installed so as to have "up" slope laps over "down" slope laps. Begin membrane application by unrolling the roll of **Neoproof SBS (G)** and aligning the side laps. Re-roll the roll halfway and stand on the unrolled portion to prevent shifting.

#### Application

Peel off the release film from the self-adhesive side and start unrolling the membrane and press it to the surface. Smoothen the membrane from the centre to the edges in order to drive out entrapped air with a wooden press. Furthermore, an iron roller shall be used for rolling on top of the applied membrane to ensure proper and strong adhesion of the bitumen to the polyester fleece.

To provide a watertight seal at the end joint, a 100 mm strip, CCI Neoproof, a double-sided bitumen adhesive tape shall be laid on that area prior to the application of the membrane. Once the CCI Neoproof is put in place, remove the silicon release film from the top and expose the self-adhesive bitumen. **Neoproof SBS (G)** shall be applied on top of the exposed bitumen adhesive tape overlapping by 100 mm.

### Storage & Shelf Life

The rolls are packed in loose corrugated boxes to avoid any damage during storage at sites. Membranes must be stored in a shaded area, on wooden pallets neatly covered to minimize exposure to sunlight and UV. The membranes shall be protected from all sources of heat and extreme temperatures. All rolls must be kept vertically stacked.

The shelf life is 12 months if stored as per the recommendations.

### Packing

15 m<sup>2</sup> × 20 m<sup>2</sup> roll.

### Precautions

- ✓ The membranes have no health hazard when used with our standard application recommendations.
- ✓ Store in a cool, covered area.
- ✓ Rolls are to be kept in an upright position.
- ✓ Keep away from naked flame.
- ✓ Hot melted may cause serious burn injury, therefore, wear safety goggles, gloves, and safety shoes during application.

### 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](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

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