



SHUNDA SBS-002

SELF-ADHESIVE BITUMEN WATERPROOF MEMBRANE

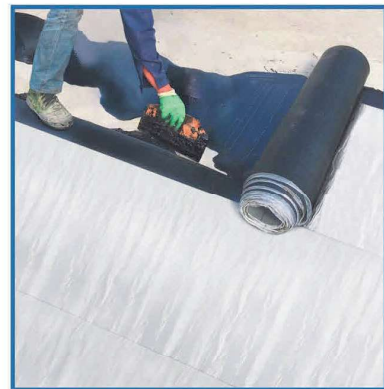
SHUNDA SBS-002 waterproof membrane contains aluminized mylar film as surface reinforcing material, with asphalt adhesive and rubber active agent as main component that adheres securely on to substrate. **SHUNDA SBS-002** can be applied directly with cement mortar in construction (wet applied method); or applied according to the conventional construction method (dry applied).

1 PRODUCT FEATURES

- ❑ Excellent dimensional stability, uniform membrane thickness provides equal protection to entire substrate surface.
- ❑ Improved weather resistance, high reflectivity against sunlight reduces building indoor temperature.
- ❑ Physical resistance to abrasion and tear, chemical resistance, high tensile strength, toughness with flexibility.
- ❑ Strong bonding properties, provides improved adhesion to substrate and finishing layer.
- ❑ Highly durable, long lasting and cost effective solution.

2 APPLICATION SCOPE

- ❑ Applicable for demanding applications with high waterproofing requirements, suitable for exposed applications.
- ❑ Applicable for new construction and existing works of various substrate surface material.
- ❑ Applicable to building structures such as basement, R.C. roof, R.C. wall, terraces.



3 PRODUCT HANDLING

- ❑ The product is safe to be transported through conventional means with standard practices. The shelf life is 12 months from date of production if stored properly. Store product in an upright position, avoid stacking. Store products indoor in dry conditions, protected from weather and direct sunlight, at temperatures between 5°C - 35°C. It is recommended to wear protective gear during use.

4 APPLICATION INSTRUCTIONS

WET-APPLIED METHOD

- Ensure substrate is dry, flat and even without any sharp protrusions, structurally sound with sufficient strength, repaired of all defects and damages, clean and free from laitance, dirt, loose particle, oil, and other contaminants that may affect adhesion.
- Place **SHUNDA SBS-002** sheet membrane with release film face down, unroll sheet to arrange and align according to application area. Re-roll the sheet membrane back to its original position after setting out is done.
- The sheet membrane shall be arranged and installed in a staggered laying method to avoid build-up of joints. Overlap subsequent sheets to allow for side laps at 100 mm, end laps at 150 mm, and maintain distance of staggered ends by 300 mm.
- The substrate shall be moisten but without stagnant water. Lightly dampen the substrate prior to application works.
- Prepare cement slurry and pave it on to substrate as a row, with a width equivalent to width of the sheet membrane.
- Slowly unroll **SHUNDA SBS-002** sheet membrane on to the freshly laid cement mortar, while peeling and removing the release film from the underside of the sheet membrane. Apply pressure to ensure strong adhesion to the substrate.

DRY-APPLIED METHOD

- Ensure substrate is dry, flat and even without any sharp protrusions, structurally sound with sufficient strength, repaired of all defects and damages, clean and free from laitance, dirt, loose particle, oil, and other contaminants that may affect adhesion.
- Place **SHUNDA SBS-002** sheet membrane with release film face down, unroll sheet to arrange and align according to application area. Re-roll the sheet membrane back to its original position after setting out is done.
- The sheet membrane shall be arranged and installed in a staggered laying method to avoid build-up of joints. Overlap subsequent sheets to allow for side laps at 100 mm, end laps at 150 mm, and maintain distance of staggered ends by 300 mm.
- Prior to installation of **SHUNDA SBS-002**, prime the substrate layer with bitumen primer at a rate of $0.3 \text{ kg/m}^2 \sim 0.5 \text{ kg/m}^2$.
- Slowly unroll **SHUNDA SBS-002** sheet membrane on to the primed substrate surface, while peeling and removing the release film from the underside of the sheet membrane. Apply pressure to ensure strong adhesion to the substrate.

5 SYSTEM DETAILS

2nd Layer : **SHUNDA SBS-002**

1st Layer : * Bitumen Primer / Cement Mortar

* according to application method as stated in Application Instructions

Base Layer : Substrate

Product structure :

- Aluminized mylar film surface reinforcement layer
- Bituminous pressure sensitive self-adhesive layer
- Release film layer



PRODUCT DETAILS

□ **SHUNDA SBS-002** dimensions : 1 m x 20 m roll

□ **SHUNDA SBS-002** thickness : 1.5 mm roll

6 TECHNICAL DATA

- All technical data stated below are based on laboratory tests. Actual measured data may vary due to circumstances beyond control. The user of the product must test the product's suitability for the intended application and purpose.

PHYSICAL PROPERTIES		TEST METHOD	INDEX
Expansion rate	Tension / (N/50 mm) ≥	GB 23441-2009	150
	Elongation at break / % ≥		150
Nail shank tear strength / N≥			30
Heat resistance			70 °C sliding / flowing less than 2 mm
Low temperature flexibility			-20 °C, no crack
Impermeability			0.2 MPa, 120 min impermeable
Peeling strength / (N/mm) ≥	Membrane vs membrane		1.0
	Membrane vs aluminium		1.5
Nail shank watertight			pass