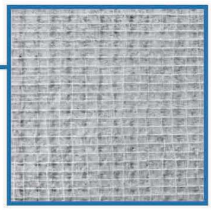


SHUNDA H-001

POLYESTER NON-WOVEN FIBER REINFORCEMENT

SHUNDA H-001 is a ready to use, alkaline resistant, glass fiber mesh fabric that is used in conjunction with other SHUNDA waterproof coating products. The treated fibers greatly improve multi-directional tensile strength of the waterproof membrane, while allowing them to remain highly elastomeric. It is used in a wide range of reinforcement applications such as corners and joints.

1 PRODUCT FEATURES



- Ease of application, the fabric can easily fit around joints, corners, and other surface irregularities.
- Increases the overall thickness of the waterproof layer, improving the effectiveness of the system.
- Enhances the multi-directional tensile strength, crack-bridging properties, and durability of the system.
- Enhances the dimensional stability of the waterproof system to withstand harsh weather conditions.

2 APPLICATION SCOPE

- Applicable in-conjunction with waterproofing coating for new construction projects and refurbishment works.
- Applicable for general detailing works and waterproofing reinforcement for flat roofs, balconies, terraces, podiums.
- Applicable for exposed applications that are subjected to harsh weather conditions and other environmental factors.
- Compatible with building facade systems, applicable for repair works on vertical surfaces.







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

PREPARATION

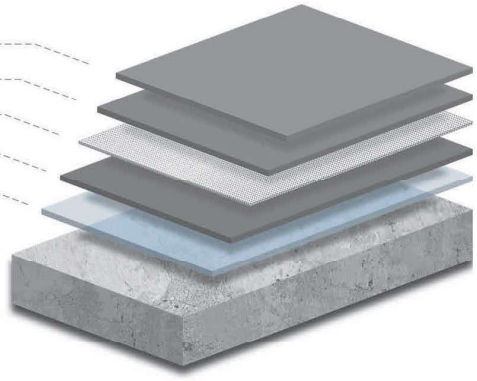
- Ensure substrate is dry, flat and even without any sharp protrusions, structurally sound with sufficient strength, repaired of all defects and damages, clean and free from laitance, dirt, loose particle, oil, and other contaminants that may affect adhesion.
- Prior to application of SHUNDA waterproof coating products, prime the substrate layer with SHUNDA substrate modifier primer for surface treatment and improved adhesion. Ensure the applied area is well ventilated during application.

APPLICATION

- Building joints, connections, corners, and details shall be treated with a coat of SHUNDA waterproof coating, extending outwards to both sides of the joint. Apply according to Consumption Rate of the product, as stated in the Product Catalog.
- Trim **SHUNDA H-001** fiber reinforcement to a suitable shape according to the corner or joint detail, then place it on top of the waterproof coating while it is still wet. Apply second coat of waterproof coating on top of the fiber reinforcement to secure it in place. Apply this waterproof treatment to all corner and joint details before proceeding with general application.
- Apply first coat of SHUNDA waterproof coating using method of brush, roller, or spray. Apply according to Consumption Rate of the product, as stated in the Product Catalog. Work only so far in advance that the material stays liquid.
- Roll out **SHUNDA H-001** fiber reinforcement on top of the first coat of SHUNDA waterproof coating while it is still wet. Ensure that the sheet is laid flat with no folds, creases, or bubbles. Ensure to overlap at a minimum of 50 mm at each side.
- Apply second coat of SHUNDA waterproof coating on top of the fiber reinforcement layer while it is still wet to secure it in place. Apply sufficient amounts of coating until the underlying fiber reinforcement layer is completely embedded.
- Allow surface drying time according to Technical Data as stated in the Product Catalog. After the membrane has dried and cured, apply a third coat of SHUNDA waterproof coating according to Consumption Rate of the product.
- Allow full drying time according to Technical Data as stated in Product Catalog. Inspect the works.

5 SYSTEM DETAILS

5th Layer : SHUNDA waterproof coating
4th Layer : SHUNDA waterproof coating
3th Layer : **SHUNDA H-001**
2nd Layer : SHUNDA waterproof coating
1st Layer : SHUNDA primer
Base Layer : Substrate



Product structure :
- Alkali resistant synthetic coating layer
- Polyester non-woven fiber reinforcement layer

PRODUCT DETAILS

- **SHUNDA H-001** dimensions : 1m x 30 m roll
- **SHUNDA H-001** thickness : 40 g/m roll / 120 g/m 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
Fabric weight / (g/m^2)	ASTM D3776	70
Grab tensile strength / N	ASTM D5034	225 (MD) / 235 (TD)
Grab tensile elongation / %		50 (MD) / 55 (TD)
Trapezoidal tear / N	ASTM D1117	110 (TD)
Thickness / mm		0.40