

SPECIFICATION FOR WATERPROOFING OF ROOF / CANOPY SLAB 4 – 7 (FOUR – SEVEN) YEARS GUARANTEE

- (1) Cleaning the roof / canopy concrete slab thoroughly with wire brush and flush out the loose particles with water. The concrete surface shall be made free of loose material, dirt, dust, oil, grease or other foreign matter. Water can be stored prior to start the work to see the surface and saturate the porous surface.
- (2) **Treatment of cracks (wider than hairline) and construction joints on the roof / canopy concrete slab :**
 - a) Cut-out the construction joint in a 'U' groove atleast 1 inch (d) x 1 inch (w), using mechanical system. Clean the 'U' groove thoroughly with wire and flush-out the loose particles with water.
 - b) Apply primer coat of **GS 102®** at the coverage rate of 2 SMt / Kg or **GS 103®** at the coverage of 6 SMt / Kg or **GS 104®** at the coverage of 4 SMt / Kg to the crack/construction joint and to the 2 inch strip on either side of the 'U' groove.
 - c) Fill (grout) the 'U'-grooved construction joint with **GS polymer Mortar** (cement + sand + Polymer).
- (3) **Making wata (cove) at the interface joint of the roof / canopy concrete slab and the parapet wall:**
 - a) Clean the area around the interface joint with wire and flush-out the loose particles with water.
 - b) Apply primer coat of **GS 102®** at the coverage rate of 2 SMt / Kg or **GS 103®** at the coverage of 6 SMt / Kg or **GS 104®** at the coverage of 4 SMt / Kg to the interface joint and to the 2 inch strip on either side of the interface joint.
 - c) Making 3 - 4 inch wata (cove) with **GS Polymeric Mortar** (cement + sand + Polymer) along the terrace slab - parapet wall interface joint.
- (4) Sealing the annular space between the pipes and the masonry / concrete with **GS Polymeric Mortar**.
- (5) Brush applying **GS 102® Flexible Waterproofing Membrane System at the total coverage of 2.0 SMt / Kg** **GS 103® Poly Acrylic Elastomeric Membrane at a coverage of 6 SMt / Kg** or **GS 104® Elastomeric Thermal & Waterproofing Membrane** at the coverage of 4 SMt / Kg in 2 coats or **GS 105® Transparent Catalytic Indepth Crystallization at a coverage of 7 SMt / Kg in 1 coat** on the entire floor.. Allow the treatment to achieve its initial set for 24 hours.
- (7) Providing and laying IPS / SCREED admixed with IWC of desired thickness (to be decided jointly between the Waterproofing contractor and the Client) over waterproof coating to proper slopes. This step is required only if there is not enough gradient.
- (8) Curing the concrete screed in (7) for 7 days by ponding with water to receive the Floor tiles.

Greenshield® (I) Construction Chemicals Pvt. Ltd.

