



Technical Data Sheet (TDS)

Product: GURTEX[®] SG-168

**WATER-BASED WATERPROOF, HEATPROOF, ANTI-CORROSIVE LATEX MEMBRANE
(EXTERIOR, WHITE)**
(Revision: July 2023)

Chemical Description: Single component water-based, waterproof, and anti-corrosive latex coating.

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A) Description:

Single component white water-based emulsion compound of polymer, natural latex, silane copolymerization and UV reflective materials. Waterproof (sloping angle) and reduces corrosion and UV radiation on metal structures and other roofing materials. Proper application of SG-168 can protect and extend metal structures durability by 5 to 10 years. Application of SG-168 can result in more than 10° Celsius decrease of structure interior temperature. It is an energy saver and a heat insulating waterproof paint.

B) Product Characteristics:

- a) Designed to waterproof and reduce UV radiation on residential, commercial, and industrial exterior structures with a sloping angle.
- b) A water-based substance formed by Acrylic Polymer Emulsion, Radiation Protection Material, Titanium Dioxide, Calcium Carbonate and Defoamer.
- c) UV reflection results in cooler surface temperatures. Lower temperatures reduce age damage and extend lifespan.
- d) Extremely durable, easy to use and quick to apply,
- e) Eco-friendly, water-based, non-toxic, and odorless, with no environmental contamination,
- f) Low maintenance. Won't bubble or peel.
- g) Good elasticity and strong adhesion on substrates smooth over underlying physical deformation and weather damage. Bridges cracks, good filling capability.
- h) Self-cleaning.
- i) Excellent durability under harsh acidic or salty environments.

C) Application:

SG-168 can be applied onto a wide variety of building materials for example metal structures, galvanized materials, roof tiles, exterior chemicals and petroleum storage tanks and pipelines as water-resistant, anti-corrosion and heat insulating purposes.

D) Application Procedure:

Recommended

1. Apply a single undercoat of **SG-368** (brush or roller) and allow it to dry for 4 hours before applying SG-168.
2. Spray paints the 2nd and 3rd coat of **SG-168** simultaneously. Apply slow, smooth, continuous crisscross overlapping spray strokes onto the substrates, hold the spray nozzle about 0.3m to .4m away from the application surface. (Bring nozzle closer to substrate in high winds)

Preparation

1. Make sure all structures and surface beneath the substrates are sound, stable, and gradient of minimum 2%. Product will not hold long standing water.
2. It is important to remove all dust, dirt, loose debris, or oil stains from the substrate.
3. Apply always on a dry surface.
4. Stir all products with a stirrer for minimum of 5 minutes
5. Avoid substrate temperatures of 40°C and above (this will cause bubbles) avoid humidity above 80% - it will take longer to cure – add 3 days if above.

Application

1. Layer Thickness: minimum 0.5kg to maximum 1.5kg per m2.
2. SG-168 can be applied directly on substrate. Use a minimum of 3 coats for best results.
3. Apply the 1st coat with brush or roller and let dry for 4 hours before applying 2nd and 3rd coat.
4. Always apply 2 to 3 coats of SG-168 to achieve the best waterproofing and UV radiation reduction results. Do not apply too thick – this will create cracks on the surfaces
5. Repair work (respray) can be applied directly on areas that is not properly covered by the first application, simply remove any dust or debris on the surface of the problem area and spray over.
6. Seal container lid airtight after use, store left over container in cool place, away from direct sunlight.
7. Clean tools and equipment with Solvent, Kerosene, Diesel or Petroleum, rinse with clean water before storing these tools or equipment.

E) Technical Parameters:

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|--------------------------|---|
| 1. Solid content | : ≤40 |
| 2. Surface drying | : ≤30min at 25°C |
| 3. Full drying | : ≤48h at 25°C |
| 4. Recommended thickness | : 0.5 – 1.5kg/m ² (2 to 3 coats) |
| 5. Packaging | : 20kg |



F) Caution:

1. Product will not handle long standing water on surfaces. Substrate must be sloped at a minimum angle.
2. Keep product in a cool and dry place.
3. Storage temperature 0°C - 40°C.

Created for Gurtex® SG series of waterproofing, anti-corrosion and heat insulating polymer materials.

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