



Technical Data Sheet (TDS)

Product: GURTEX® SG368

WATER-BASED WATERPROOF ANTI-CORROSION LATEX MEMBRANE (EXTERIOR DARK)

Revision 2 Date: 28th of June 2022

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

Supplier: ASA New World Trading Pte. Ltd
Address: 1092, Lower Delta Road #06-17, Singapore 169203
Tel: +65 62540798
Fax: +65 62546119

A) Description:

Single component water-based waterproofing and anti-corrosion membrane. Dark brown emulsion paste, applied with a paintbrush, roller, or airless sprayer. Rapid curing at room temperature.

1. A water-based protective membrane containing artificial latex, bitumen, and fillers.
2. Eco-friendly, water-based, non-toxic, and odorless, with no environmental contamination,
3. Extremely durable, non-tacky,
4. Easy to use and quick to apply with high productivity in terms of application.
5. Low maintenance. Won't bubble or peel.
6. Good elasticity and strong adhesion on substrates, smooth over underlying physical deformation, and weather damage. Bridges cracks, good filling capability.
7. Product needs a protection layer for UV outdoor exposure.
8. Corrosion resistant when exposed to moderate acid/alkaline environments.
9. When cured, forms a foundation for a wide range of building materials including cement, ceramic tiles, clay, pebbles, bricks, thermal insulation, and paint.
10. Can be applied on damp (but not wet) concrete surfaces.
11. Certifications:



B) Applications:

Gurtex® SG368 can be applied onto a wide variety of industrial materials including concrete, bricks, metals, galvanized materials, PVC, piping, and fibreglass.

- Waterproofs underground structures like grain/food and wine cellars.
- Waterproofs and repairs underground liquid storage tanks, sewage piping and drainage.
- Repairs and protects external above ground and underground walls, corrugated zinc roofs, roof gutters, cement floors and roofs.
- Waterproofs above ground artificial dams, water ponds, pools, and tanks.
- Protects concrete tunnels, roadways, subways, culverts, bridges, and dam walls that move with surrounding soils.

- Waterproofing and corrosion protection of outdoor metal and corrugated iron roofing on factories, containers, or structures.

C) Application Procedure

Preparation

1. Make sure the surface and structures beneath the substrates are sound and stable.
2. The product does not provide structural support.
3. Remove all dust, dirt, loose debris, or oil stains from the substrate. (Pressure clean, vacuum for dust)
4. Geo-Fabric material must be installed in all corners, over small cracks, parapets etc. For continued toughness it is necessary to soak geotextile. The geotextile should be fully saturated with the waterproofing material
5. Apply on a dry smooth substrate. Can be applied on damp or moist surfaces (concrete only) but there must be no liquid puddles.
6. Stir SG368 with a stirrer for minimum of 5 minutes.
7. Do not apply over a puddle of water as the chemical solidification process cannot work under water.

Application

1. Application consumption: about 1.5kg per square meter.
2. Apply the FIRST coat, with a thick paint brush, roller directly onto the substrate and allow to dry for a minimum of 4 hours
3. Additional coats can be applied with a brush, roller, or airless spray at 220bar. Apply 3 to 4 coats with brush, roller, or airless spray to achieve the best waterproofing results.
4. For airless sprayer, use slow, smooth, continuous crisscross overlapping spray strokes onto the substrate. Hold the spray nozzle about 0.4 to 0.6m away from the application surface.
5. Make sure the substrate is smooth – air will be trapped in uneven or in pores of the substrate area – this will create bubbles, as the product will expand during hot periods however this is not a problem or weaken the product. Repair the bubble by a crosscut or puncture and fill area with product.
6. Repair work (respray) can be applied directly on areas that is not properly covered by the first application, remove any dust or debris on the surface and spray over.
7. When cured after 3 – 4 days, cover product immediately with an UV resistant material
8. Seal container lid airtight after use. Store container in cool place, away from direct sunlight.
9. Do not apply on substrate with a temperature of 40°C and higher. Avoid application when humidity is higher than 75%
10. Clean tools and equipment with solvent, kerosene, diesel, or petroleum. Then rinse with clean water before storing tools or equipment.

D) Application on cracks on concrete and open gaps including all angles:

1. Clean the surface and inside of the crack line from dust and debris,
2. On a concrete substrate, fill crack gap with cement to prevent water from coming up from beneath. Make sure to apply to all corners of the building.
3. Paint (brush and roller only) the filled surface with SG368, placing a layer of geo-fabric material over the wet painted crack area. Apply slight pressure to make sure the geo-fabric material bonds with the wet waterproofing paint beneath. It is important to apply the geo-fabric on a wet SG368 surface.
4. Apply the SECOND coat with a brush or roller over the same area and allow to dry for a minimum of 4 hours.

5. Only when all the cracked / leaking gaps and corners are properly reinforced using the above method, apply Gurtex® SG368 using a paintbrush, roller, or airless sprayer over the full area.
6. Apply 3 to 4 coats with brush, roller, or airless spray to achieve the best waterproofing results.
7. When cured after 3 – 4 days, cover immediately the product with a UV resistant material
8. Repair work (airless respray) can be directly applied 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 first coated layer.

E) Other

1. Once the membrane is cured, colored latex paint can be applied over the membrane.
2. Mount building materials like tiles after the membrane is cured and hardened.

F) Caution:

- Keep product in a cool and dry place.
- Storage temperature 0°C - 40°C.

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

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For more information contact:

sales@africa-and-asia.com

sales@gurtexwaterproofing.com

Offices: Singapore, Indonesia, South Africa