



Technical Data Sheet (TDS)

Product: SG-378

WATER-BASED WATERPROOF ANTI-CORROSIVE LATEX MEMBRANE (INTERIOR WHITE)

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

Single component white interior water-based waterproofing membrane. Direct brush or roller, rapid curing at room temperature. This water-based substance formed by artificial latex and fillers; featuring extreme durable, simplicity, good chemical resistance, non-tacky, excellent in bridge-gap connection, good fillers compatibilities.

- a) Low in hydrophiles, extremely low in water vapor transmission index,
- b) Odorless and environmentally friendly,
- c) If used on exterior applications, the product needs to be covered with UV protective material to avoid yellowish colouring (over a period),
- d) It is designed for commercial and non-commercial waterproofing applications,
- a) It allows building materials such as cement, ceramic tiles, clay, pebbles, bricks, thermal insulating / anti-shrinkage materials and painting to be apply onto its dried surface with good and lasting fixing, 24 hours after the application, when the surface is dried.
- e) Anti-corrosion characteristic, suitable for applications on pipes and sanitary facility installations that is exposed to medium level of Acidic / Alkaline environment,
- f) Apply on dry surface,
- g) Do not apply over a puddle of water. Chemical curing will not work underwater.
- h) No harmful ingredients with reference to EU Standard (EU) NO.1907/2006

B. Applications:

Gurtex SG-378 can be applied onto a wide variety of materials like concrete, bricks, fibre glass and wide range of building materials like cements, stones, tiles etc.

- 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 in sewage plants;
- Protects concrete tunnels, road ways, 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.
- Drinking water tanks – curing time more than 72 hours (fully ventilated) avoid humidity higher than 75% (if more the product will cure over a period of 7 days)

C. Application Procedure:

- 1) Application consumption: about 1.5kg per square meter.
- 2) Make sure the surface and structures beneath the substrates are sound and stable. The product does not provide structural support.
- 3) Remove all dust, dirt, loose debris or oil stains from the substrate. (vacuum for dust if possible)
- 4) Geo-Fabric material must be installed in all corners, over small cracks, around pipes, 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 to avoid bubbles
- 6) Apply a thin layer of SG 338 as a primer and wait until dry (1 day)
- 7) Stir mix the SG378 water base latex paste with a stirrer for 5 minutes
- 8) Apply the FIRST coat onto the substrate with a thick paint brush or roller (no airless spray). Allow to dry for a minimum of 1 day before starting the SECOND coat.
- 9) Apply 3 to 4 coats with brush or roller to achieve the best waterproofing results.
- 10) Only apply on dry substrate. Do not apply over a puddle of water, application process will not work inside puddle of water.
- 11) Seal container lid air tight after use. Store container in cool place, away from direct sunlight.
- 12) 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:

- 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 cracked surface with SG378, followed by a layer of geo-fabric over the wet painted crack area. Apply slight pressure to make sure the

geo-fabric bonds to the wet waterproofing paint beneath It is important to apply the geo-fabric on the wet SG-378 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™ SG-368 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) Repair work (airless respray) can be directly apply 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. Others:

- Make sure coatings is dry before filling the tank with water – waiting period is 72 hours and if humidity is higher than 75%, it will take up to 7 days to dry. Water base colour pigment can be added to create a coloured waterproofing paint, fixing of building materials to the membrane can be done after it is dried and harden.
- In all circumstances let the membrane cure for 5 days, for a complete dry, depending on local weather and if any bubbles appear during this period or after the testing , the best method is to have a cross cut or puncture into the bubble, depends on the size of bubble and then, after having waited for exposed area to evaporate/dry out, liquid membrane material should be applied or inserted before handing over project to client for final inspection

F. Color mixing:

A combination of SG-378 and SG-368 forms an excellent gray exterior waterproof paint. Use SG-378 as the base and add SG-368 until grey mixture forms. This mixture needs to be matched to your own colour scheme (the more SG-368 you add, the darker it will get)

G. 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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