

CONSEAL 300

Pure Bitumen Emulsion Waterproofing Membrane

Description

CONSEAL 300 is a pure bitumen emulsion, with excellent elastic property used for long-lasting waterproofing. It is a single component liquid which dries to form a black flexible coating.

Areas of Use

- Waterproofing of Foundations
- Waterproofing of Retaining Walls
- Under-tile Waterproofing in Bathrooms, Terraces, Roofs etc.
- Waterproofing of Roofs with inverted insulation
- Waterproofing of Asphalt- and Bitumen-felts, etc.

Advantages

- Simple application.
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Provides excellent crack-bridging properties.
- Provides excellent thermal resistance, it never turns soft.
- Maintains its mechanical properties over a temperature span of -30oC to +90°C.
- Provides excellent adhesion to almost any type of surface.
- Resistant to domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Does not need the use of open flames (torch) during application.
- Excellent service life

Surface Preparation

Careful surface preparation is essential for optimum finish and durability. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. New concrete structures need to dry for at least 28 days. Old loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

Application

Stir well before using for at least 2-3 min.

Apply the CONSEAL 300 onto the surface by roller or brush, until all surfaces is covered.

Reinforce always with the CONSEAL Fabric at problem areas, like wall-floor connections, 90o angles, chimneys, pipes, waterspouts (siphon), etc. In order to do that, apply on the still wet CONSEAL 300 a correct cut piece of CONSEAL Fabric, press it to soak, and saturate again with enough CONSEAL 300.

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Pure Polyurethane Bitumen Membrane

We recommend reinforcement of the entire surface, with the CONSEAL Fabric. Use 5-10cm stripe overlapping. After 8-24 hours, apply another layer of the CONSEAL 300.

For demanding applications, apply a third layer of the CONSEAL 300. If the CONSEAL 300 is to be covered with ceramic tiles, fully saturate with oven-dry silica sand (corn-size 0.4-0.8mm) the last layer while still wet. This saturation will create an adhesion bridge to the tile adhesive that will follow.

Storage and Packaging

CONSEAL 300 is supplied in 20kg buckets. Protect the material against moisture and direct sunlight. Storage temperature: 50-300C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, and batch number and application precaution labels.

Health/Safety

In case of contact with skin and eyes, wash with plenty of water. Protective mask should be worn during the preparation of the product.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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