

# BC Mastic 300

## Description:-

BC Mastic 300 is a two component amine cured high solids coal tar epoxy. The product has excellent chemical resistance and adhesion properties which makes it particularly suitable for sewage treatment plants, chemical plants and for aggressive environments. BC Mastic 300 is suitable for use on concrete and steel surfaces.

## Applications:

BC Mastic 300 is designed for use in applications such as:

Sewage treatment plants and chemical plants.
Protection of concrete and steel structures submerged in sea water or exposed to tidal or splash zones
Lining of manholes, pipes, jetties, piers, ducting and foundations waterproofing

## Advantages:

Excellent adhesion to concrete and steel surfaces.
High film build up to 350 microns in one coat.
Excellent water and salt water resistance.
Cost effective; does not require primer.
Low residual odour.
Suitable for use as a waterproof coating.
High chemical resistance.
Does not support bacterial growth.
High abrasion resistance.
ASTM B117 Salt Fog Blasted Steel 2 cts.
No blistering, rusting or delamination. No measurable undercutting at scribe after 2000 hours
ASTM D2794 Impact Blasted Steel 2 cts. 300 Impact site diameter, Inches: 3/8, 3/8, 1/2 100 in/lbs Gardner Impactor at 1/2 in. diam.
ASTM D4060 Abrasion Blasted Steel 2 cts. 300M 130 mg. loss after 1000 cycles, CS17 wheel, 1000 gm load
ASTM D4541 Adhesion Blasted Steel 2 cts. 300M 1443 psi (Pneumatic

## Substrate Preparation:

### Concrete surfaces:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by grit blasting or water jetting. All blow holes should be filled with epoxy paste such as BC Putty 2000

### Steel Surfaces:

All surfaces should be grit blasted to reach a bright finish meeting the requirement of Swedish Standard SA 2 1/2.





### **Mixing:**

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes and until uniform colour and consistency are achieved.

### **Application:**

BC Mastic 300 can be applied by brush, roller or airless spray machine. The first coat should be applied to obtain a continuous uniform coating. The second coat should be applied within the over coating time to achieve the maximum adhesion between coats.

### **Cleaning:**

All tools should be cleaned immediately after application using DCP Solvent. Hardened materials must be cleaned mechanically.

### **Packaging:**

BC Mastic 300 is available in 20 kg packs

### **Coverage:**

0.7 kg/m<sup>2</sup> per coat to achieve 350 microns dry film thickness. Two coats should be applied to achieve 700 microns dry film thickness.

### **Storage:**

BC Mastic 300 has a shelf life of 12 months from date of manufacture if stored in dry conditions at a temperature of 25<sup>o</sup> C in original unopened packs.

### **Health and Safety:**

BC Mastic 300 should not come in contact with skin or eyes. Goggles and gloves should be used. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

### **Notes:**

The area where BC Mastic 300 is going to be applied must be well ventilated for at least 24 hours, and must not have high relative humidity or any presence of running water. BC Mastic 300 must not be applied over other coats, but only over itself within the recoat able time. Application of BC Mastic 300 should not be done at low temperatures (below 8°C). UV light and some chemicals may change the colour of BC Mastic 300 especially when the coat is still not fully cured (7 days). However, this colour change does not affect the performance of the coating

The Technical specification information and recommendation given one based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product Building chemistry industry reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of Building chemistry industry no guarantee and or responsibility is assumed on the performance of work completion executed with use of our products.

