

## BUILDCOTE EC 20

Elastomeric polymer modified cementitious breathable waterproof coating

**DESCRIPTION :** BUILDCOTE EC 20 is a two pack polymer modified cementitious waterproof coating system

**STANDARD :** BUILDCOTE EC 20 complies with ASTM D 4060, D 4541, D 412 & C 836

### USES

- ❖ Waterproofing of roof/terrace and terrace garden.
- ❖ Waterproofing of water storage tanks, swimming pool
- ❖ Damp-proofing, arresting of carbonation/efflorescence over concrete/mortar/brick work surfaces
- ❖ Coating of external wall in basements
- ❖ All types of structures in coastal environment

### FEATURES

- ❖ Excellent adhesion to sound and prepared surfaces of most building materials
- ❖ Easy to apply, ready to use packs - only mixing at site
- ❖ Anticorrosive to steel
- ❖ Protection against carbonation, efflorescence and salt petering
- ❖ Highly UV resistant
- ❖ Allows concrete to breathe
- ❖ Non toxic, safe for application in drinking water storage tanks
- ❖ Flexible to accommodate thermal expansion

### APPLICATION AND MIXING

Surface should be sound, clean & free from loose particles, dirt and dust, oils, grease etc. Visible cracks to be filled with pasty **BUILDCOTE EC 20** and undulations, if any, should be made good. Pre-wetting to be carried out and saturated dry surfaces should be made prior to application of **BUILDCOTE EC 20**

Pack B (powder) to be mixed with pack A (liquid polymer) in 3 : 1 ratio. Mixing to be carried out in a slow speed (500 - 600 rpm) mixer till the powder completely mixes in the polymer. Mixed material should be used within 20 -30 minutes. **BUILDCOTE EC 20** can simply be applied by stiff brush, roller or trowel to obtain the desired thickness

Fibre glass cloth should be laid on the first coat when it is still green. Second coat may be applied after 6-7 hours of the first coat.

Moist curing is advisable to protect the coating from getting damaged, cover the treated surfaces with 1 : 6 cement/sand 15mm thick mortar.

### TECHNICAL DATA

Sr. No.	Characteristics	Specification
1.	Two pack system	Pack A Milky white liquid Pack B Cementitious grey powder
2.	Compressive strength at 28 days	20N/mm <sup>2</sup>
3.	Hardness	52+/-2 Shore A
4.	Bond Strength 28 days	2N/mm <sup>2</sup>
5.	Low Temp Flexibility & Crack bridging	No Cracking
6.	Static Crack bridging	1mm capacity
7.	Mixed Density, gm/cc	1.70 ( app )
8.	Pot life of the mixed material at 30 C.	20 – 30 minutes
9.	Coating required	Two ( minimum to achieve 1.5mm )
10.	Coverage :	2.5kg/sq. mtr. for 1.5mm thickness
11.	Shelf Life	1 year if unopened
12.	Application Temp	Not less than 5C
13.	Packing	25kgs :75kg in pre weighed quantities of pack A & B
14.	Health & Safety	Non toxic, non-inflammable, eco friendly