

Brushcrete

(Two Pack Cementitious Waterproof Coating)

Page 1 / 2.

DESCRIPTION

BondChem's Brushcrete is a two part chemically engineered, polymer modified, cement based system for waterproofing concrete and masonry. Brushcrete is a UV resistant, breathable, heavy bodied, waterproofing finish that penetrates into the pores and voids and becomes an integral part of the surface to which it is applied. Brushcrete has a texture and consistency similar to concrete and may be brushed or spray applied. It assures complete protection against water penetration by waterproofing the positive side, yet it allows walls to breathe. Safe for use on potable water containment surfaces.

ADVANTAGES

1. Effectively seals concrete and cement-bound substrate from capillary water, and water under pressure.
2. High resistance to carbon dioxide diffusion.
3. Excellent anti - carbonation protection.
4. Highly Flexible, allows hairline cracks in the substrate to be bridged over.
5. Superior adhesion. Bonds to porous and non porous substrates.
6. Tough surface. Allows pedestrian traffic.
7. Can be applied on 24 - hour old damp concrete.
8. Fluid consistency, easily applied by brush, roller or trowel.
9. Resistant to chloride / sulfate salts, grease, oils, alkalis, etc.
10. Water vapour permeability allows substrate to breathe.
11. Suitable for potable water

APPLICATION

BrushCrete is used to provide a waterproof, chloride and carbon dioxide resistant coating to cement bound / structures such as concrete masonry, stones, marbles, granite, etc.

TYPICAL PROPERTIES

- | | | |
|--|---|----------------------|
| 1. Carbon dioxide diffusion resistance (2mm Thick) | : | 410 mtr. |
| 2. Water vapour diffusion resistance (2mm Thick) | : | 2.9 mtr. |
| 3. Equivalent concrete thickness | : | 100 cm. |
| 4. Initial surface absorption | : | 96 % Reduction |
| | | i. in absorbed water |
| | | ii. Against control. |
| 5. Wet density | : | 1600 kg. / cbm. |
| 6. Chloride ion diffusion coefficient | : | 1.03 x 10 - 7. |

Chemically Engineered Products

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Page 2 / 2.

SURFACE PREPARATION

Surface should be clean and free from dirt, loose dust, coatings, sealers, curing compounds and other foreign particles. If dry, surface should be dampened with water.

MIXING

Transfer the liquid component to a mixing container. Add the powder component to the liquid and mix using a slow-speed electric drill (300 RPM) fitted with a paddle until a uniform homogeneous creamy mix is obtained. After Mixing, apply onto the prepared substrate by brush, roller or trowel at the rate of 1.6 kg. per square meter at 1mm thick per coat. Two to three coats are recommended. Previous coat should be allowed to dry (Normally 3 - 6 hours) prior to succeeding coats.

PACKING

Brushcrete is available in pack size of :

30 kgs. (20 + 10).

COLOURS

Brushcrete is available in grey and can also be supplied in white or any other colour on request.

Whilst the information and / or specification given are to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and any labour involved are beyond our control.

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