BRUSHCRETE

ACRYLIC REINFORCED CEMENTITIOUS WATERPROOF COATING

DESCRIPTION

BRUSHCRETE is a two component acrylic modified cementitious coating that only requires on-site mixing to form the ideal product to waterproof and resurface concrete, masonry, and most other construction materials.

Simply apply by stiff brush, roller, or trowel to form a waterproof, trafficable coating. **BRUSHCRETE** provides an effective barrier to waterborne salts and atmospheric gases.

ADVANTAGES

- Pre-batched components, allows easy mixing and application.
- Waterproof-resists up to 7 Bars (70 metre head) of pressure.
- Excellent adhesion. Bonds to porous and Elongation (ASTM D412-15a).
- Non-toxic: ideal for potable water uses.
- Trafficable.
- Breathable: whilst repelling water, allows substrate to breathe.
- High resistance to carbon dioxide and chloride ion diffusion.
- Unlike conventional coatings which require a 7-28 days cure of concrete, **BRUSHCRETE** can be applied to 24 hour-old concrete thereby giving immediate protection.

TYPICAL PROPERTIES

Specific Gravity (When Mixed)	1.8 Kg/Ltr
Toxicity	Non-Toxic
Elongation (ASTM D412-15a)	<10% (unbonded)
Water Vapour Permeability (ASTM E96:05)	1.98 x 10-12 g/Pa.s.m
Pull Of Adhesion Strength (ASTM D7234)	1.03 n/mm^2

TYPE

WATER PROOFING

ADVANTAGES

WATER PRESSURE RESISTANT | LIGHT TRAFFIC | NON TOXIC | HIGH ADHESION

COVERAGE (PER COAT)

1 kg/m^2

COATINGS

2 coats (min)

COMPONENT

2 PART

BRUSHCRETE

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SUBSTRATE PREPARATION

General

Remove all grease, oil, dust, deleterious materials, etc. The substrate must be prepared by suitable mechanical preparation techniques such as high-pressure water jetting, needle guns, scabblers, etc. and properly pre-wetted to a saturated surface dry condition.

Spalled concrete should be cut back to sound concrete and made good with suitable cementitious repair mortar such as CHEMGROUT 215.

As Levelling Mortar

The substrate must be prepared and cleaned by means of suitable mechanical methods such as abrasive blasting or other equivalent methods to ensure that any laitance, contaminations, existing coatings are removed. Any blowholes or honeycombs must be removed and patched back as well.

Absorbent surfaces have to be thoroughly saturated with water prior to the first application coat of **BRUSHCRETE**. No standing water should be allowed on the surface before application. Mortar angle fillets of 25 mm x 25 mm should be profiled first to all intersections of horizontal and vertical surfaces.

MIXING

BRUSHCRETE is supplied in premeasured units and should be mixed at site utilizing clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle. MIX AND USE. Do not mix more materials that cannot be fully utilized under thirty minutes.

Although **BRUSHCRETE** is supplied in pre-measured packs, part packs can be used by mixing 2 to 2.5 volumes of powder to 1 mixed during application. DO NOT RE-TEMPER WITH WATER.

For trowel applications, use only 90% of Part B (approximately 4.5 kg).

APPLICATION

Damp down the concrete surface with clean water. Whilst damp, but free of standing water, apply using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary. For heavy 6-10 mm depressions, honeycombs etc, utilize less gauging liquid and one coat is necessary to achieve the desired thickness. Apply the second or subsequent coats after the previous coat has dried. It is recommended for general resurfacing, that each coat should be a minimum of 1mm thick. The coverage of BRUSHCRETE is about 1.0 kg/m^2 at 1mm thickness. A minimum of two (2) coats must be applied.

COVERAGE

For waterproofing for internal wet areas
: 1.0 kg/m^2 per coat

For waterproofing coating up to 1m waterhead
: 1.5 kg/m^2 per coat

For waterproofing coating more than 1m waterhead
: 2.0 kg/m^2 per coat

As a protective coating
: 2.0 kg/m^2 per coat

For waterproofing to water retaining structure
: 3.0 kg/m^2 per 3 coats

PACKAGING

BRUSHCRETE 20 kg/set (Part A Grey Powder: 20 kg, Part B White Liquid: 5 kg)

Legal Notes:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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