Dribond CONSTRUCTION CHEMICALS

Cemcote

Cement-based waterproof paint

Packaging

Mixing

Application

Uses

Substrates

- Concrete
- Cement Render
- Brick, Block
- Lightweight building blocks

Description

A cement coating that is simply mixed with water and applied to porous masonry surfaces to form a heavy duty, durable finish which waterproofs, colours and preserves the substrate.

Cemcote fills and seals pores and voids giving complete protection against moisture penetration while permitting walls to 'breathe', and preventing accumulation of moisture vapour which forces other paint off walls.

Uses

Waterproofs and decorates concrete and masonry structures of concrete block, precast concrete, brick and stone. Use internally or externally above or below ground level. Typical uses are on walls of buildings, basements or cellars, foundations and to renovate old or new masonry structures.

Features

- A heavy duty cement paint
- Exceptional filling qualities assuring complete sealing of masonry
- Outlasts other masonry coatings because it 'breathes' preventing the build up of water vapour which causes blistering, flaking and peeling
- Penetrates deeply into the pores of masonry and concrete giving high bond strengths and becoming part of the wall

Coverage (Approximate)

Brush application: 0.5mm thick = 0.75kg/m^2
1.0mm thick = 1.5kg/m^2
Trowel application: 2.0mm thick = 3kg/m^2

Colour White

Performance Data

Compression strength
ASTM-C109: 7 Days - 34.5MPa, 28 Days - 41.4MPa

Absorption
ASTM C-67: 24 hour soak - 4.3%
loss by boiling 5 hours - 4.9%

Resistance to wind driven rain
TTP-P-0035: 60kph 8 hours no penetration

Weatherometer
ASTM 0822 and ASTM G23
After 5000 hours no deterioration

Specification

The waterproof coating shall be a cement-based waterproof paint that has a minimum compression strength of 41.4MPa and has a maximum absorption of water of 4.3% tested to ASTM C-67 such as **Cemcote** manufactured by **Construction Chemicals** and shall be applied strictly in accordance with the manufacturer's instructions.

Surface Preparation

Surfaces to be coated shall be clean, sound and free of paints, dirt, wax, grease and other contaminants.

Smooth surfaces and efflorescence should be mechanically roughened and washed thoroughly with clean water before coating.

Powdery surfaces and efflorescence should be washed and scrubbed to remove dust.

Greasy surfaces are to be washed with a caustic soda solution and residue washed away with clean water.

Very porous and dusty surfaces can be primed with **Acrybond** diluted 50% with water. Apply **Cemcote** 30 minutes after application of primer.

Smooth surfaces - Mix **Cemcote** with **Acrybond** diluted 50% with water to improve bond.

Mixing

Mix in a drum or plastic pail with a slow speed drill or in a wheel barrow with a hoe. Mix with clean fresh water at a rate of 6-7 litres to 20kg for a thick textured finish and 7-8 litres to 20kg for a thinner smooth finish.
Avoid adding too much water as this will reduce the product's performance.

Place mixing water in the drum and add powder while stirring. Do not mix more than can be applied within 2 hours.

Mix to a butter like consistency by gradually adding powder to the liquid, let stand for 10 minutes and mix again to achieve the desired consistency. When using as a thick trowel consistency, i.e. over 3mm thick coating, clean sharp fine sand can be added to the mix at a rate of 7kg of sand to 20kg of **Cemcote**.

Application

Apply **Cemcote** with a hard fibre nylon bristle brush or broom or trowel. For normal application apply two brush coats 1mm–2mm final film thickness. For severe applications apply 3 brush coats or a trowel application and a brush coat to a final film thickness of 2mm–3mm.

The first coat must be brushed and forced into the surface so that all holes, pores and cracks are well filled. The second or final coat should be flowed on liberally with a coarse brush. For uniformity of finish, complete work with a consistent vertical or horizontal brush stroke. Non-uniformity of drying of the first coat should be given time to correct itself by further drying before application of the second coat.

Do not apply when temperatures are below 5°C and above 30°C and it is advisable to apply when walls are shaded and avoid application on hot windy days. Recoat time is 24 hours to ensure good bond. Rewet base coat if necessary.

Curing

To obtain maximum strength and performance, cure **Cemcote** with a water mist spray 3 times a day for 3 days after application. Do not wet cure **Cemcote** mixed with **Acrybond** as this may cause white stains on the surface.

Drying Cycle

Touch dry - approximately 30 mins. Recoat - 24 hours.

Limitations

Cemcote is not suitable for wood, metal, paint, gypsum or glazed substrates.

Safety Precautions

Non-toxic, but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet. Refer; www.constructionchemicals.com.au

Shelf life

Store off the ground in a cool dry environment.
Shelf life 12 months.

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www.constructionchemicals.com.au

Adelaide (08) 8243 7888
Brisbane (07) 3271 2944
Melbourne (03) 9761 4711
Perth (08) 9356 9999
Sydney (02) 9756 3533
Auckland (09) 273 5444
Kuala Lumpur (603) 5122 2522

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