

**CEMENT BASED WATERPROOF COATING**

**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 “breath”, and preventing accumulation of moisture vapour which forces 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, swimming pools, foundations and to renovate old or new masonry structures.

**FEATURES**

- A heavy duty cement coating.
- 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.
- Excellent base for Ultraseal, Elastakote and Roltex.

**COVERAGE** (Approximate)

Brush Application: 0.5 mm thick = 0.75kg/m<sup>2</sup>  
 1 mm thick = 1.5 kg/m<sup>2</sup>  
 Trowel Application: 2 mm thick = 3 kg/m<sup>2</sup>

**COLOUR** White.

**PERFORMANCE DATA**

<b>Compression Strength:</b>	ASTM-C109	
	7 Days	34.5 Mpa
	28 Days	41.4 Mpa
<b>Absorption:</b>	ASTM C-67	
	24 hour soak	4.3%
	loss by boiling 5 hours	4.9%
<b>Resistance to wind driven rain:</b>	TTP-P-0035	
	160kph	8 hours no penetration
<b>Weatherometer:</b>	ASTM 0822 and ASTM G23	
	After 5000 hours	no deterioration

**SPECIFICATION**

The waterproof coating shall be a cement based waterproof coating that has a minimum compression strength of 41.4 MPa 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 manufacturers 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.

**Previously painted surfaces** must have the paint wire brushed or sand blasted to remove paint.

Dampen the surface immediately ahead of application of Cemcote and if wall becomes dry and the coating starts to pull during application, rewet the wall.

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

Smooth surfaces – Mix Cemcote with Bonding Additive 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 20 kg for a thick textured finish and 7-8 litres to 20 kg 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 3 mm thick coating, clean sharp fine sand can be added to the mix at a rate of 7 kg of sand to 20 kg of Cemcote.

## APPLICATION

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

The first coat must be brushed or 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 Bonding Additive as this may cause white stains on the surface.

## DRYING CYCLE

Touch Dry – approximately 30 minutes.  
Recoat – 24 hours.

## LIMITATIONS

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

## PRECAUTION

Cemcote is alkaline, gloves should be used. Remove splashes from skin and eyes with clean water.

## SHELF LIFE

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



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