

MACLENNAN CEMCOAT – CEMENTITIOUS COATING

DESCRIPTION

MacLennan CemCoat is a two-component acrylic modified cementitious coating. The ideal product to waterproof and re-surface concrete and masonry. CemCoat is very user friendly with simple on-site mixing methods. MacLennan CemCoat creates an effective barrier to waterborne salts and atmospheric gases. MacLennan CemCoat provides a hardwearing, seamless, waterproof membrane.

KEY BENEFITS

- Potable water certified
- 2mm coating provides an anti-carbonation cover equivalent to over 80mm of concrete
- Waterproof - resists up to 15 bar (150 metre head) of positive pressure. Resists up to 3 bar (30 metre head) of negative pressure
- > 100% elongation
- High resistance to carbon dioxide and chloride ion diffusion
- Unlike conventional coatings, which require the concrete to cure for 7 - 28 days, MacLennan CemCoat can
- be applied to 24 hour-old concrete thereby giving
- immediate protection
- Can be spray applied
- Environmentally friendly water based product. No solvents and no VOC's

TYPICAL APPLICATIONS

- Waterproof lining for lift pits, swimming pools etc.
- Coating seawater channels
- Bathroom and wet areas
- Fixing tiles in water retaining structures
- Protection against carbonation and chloride attacks
- Application in marine areas

COVERAGE

MacLennan CemCoat is applied in two coats of 1mm each to give a total thickness of 2mm. Each 1mm coat requires a coverage rate of 1.8kg per m² to give a total coverage rate of 3.6kg per m². One 35kg pack of MacLennan CemCoat will treat between 9m² to 10m².

PACKAGING

MacLennan CemCoat is supplied in 35kg packs (25kg Component A Powder & 10kg Component B Liquid).

TECHNICAL DATA

	COMPONENT A	COMPONENT B
Form	Powder	Liquid
Colour	Grey/White	Milky White
Density	N/A	1.03
Bulk Density	1.36	N/A
Mixing Ratio (A+B)	2.5 to 1 by weight	
Density (mixed)	1.8	
Toxicity	Non-Toxic	

CURED PROPERTIES

Adhesion to concrete	> 1.1N/mm ²
Resistance to water pressure (2mm coating) laywood test	15 bar positive 3 bar negative
Elongation - ASTM D2370	> 100%
Tensile strength unreinforced - ASTM D2370	1.6 N/mm ²
Water permeability coefficient - K m/s	5.84 x 10 ⁻¹³
Oxygen diffusion coefficient	2.89 x 10 ⁻⁵
Carbon dioxide diffusion coefficient	9.12 x 10 ⁻⁶

All technical data stated herein is based on test results carried out under laboratory conditions

STORAGE

MacLennan CemCoat should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of up to 12 months can be expected.