

DESCRIPTION

CWS CEM15 is a two-component acrylic modified cementitious coating that requires only on-site mixing to form the ideal product to waterproof and resurface concrete, masonry and most other construction materials.

BENEFITS OF CWS CEM15

- At 1 mm coating, it provides anti-carbonation cover equivalent to over 80 cm of concrete.
- Waterproof-resists up to 7 bars of pressure.
- Excellent adhesion and bonds to porous and non-porous surfaces
- Non-toxic, which is ideal for potable water.
- Breathable whilst repelling water, allows substrate to breathe.
- Outstanding wear
- Good chemical resistance to gasoline, diesel oil, sodium hydroxide, calcium chloride & treated sewage
- Good resistance to mild acids
- High resistance to carbon dioxide and chloride ion diffusion.

TYPICAL APPLICATIONS

- Bathrooms
- Toilets
- Balconies
- Reservoirs
- Water tanks

APPLICATION

MIXING

CWS CEM15 is supplied in pre-measured units and should be mixed at site utilizing clean containers. Slowly add the powder to the liquid and mix well using a slow speed drill fitted with a suitable paddle. Do not mix more material unless specified by an Engineer or a specialist.

SURFACE PREPARATION

Remove all grease, oil, dust and other deleterious materials. Spalled concrete should be cut back to sound concrete and made good with suitable cementitious repair mortar.

APPLICATION & COVERAGE

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. The coverage of CWS CEM15 at 1 mm thickness is 1.8 kg/m².

TECHNICAL DATA

CWS CEM15 is composed of specially selected cements, silica sand reactive fillers supplied in powder as well as a liquid component of blended acrylic co-polymers and wetting agents.

Specific Gravity @ 20 °C	1.8
Toxicity	Non-toxic
Water Penetration (DIN 1048)	7 Bars – No Leakage (2 mm dft)
Elongation	> 5% (un-bonded)
Water Vapour Coefficient	> 3.64 x 10 ⁻⁴ cm ² /s
Initial Surface Absorption	> 95% reduction against control
CO ₂ Diffusion Resistance	Sc > 89 cms (1 mm dft)
Chloride Ion Diffusivity	Zero Penetration (160 days)
Chloride Ion Diffusion Coefficient	1.3 x 10 ⁻⁸ cm ² /s
Oxygen Diffusion	DO ₂ 7.7 x 10 ⁻⁶ cm ² /s
<p>Note: Technical Data given is theoretical. Due to wastage factors, the variety nature of the substrate and site conditions etc, practical data may be different.</p>	

CWS CEM15

Cementitious Coating

Waterproof  Concrete. For life.

PACKAGING

30 kg double pack of Part A (25 kg powder) and Part B (5 L liquid polymer).

SHELF LIFE, STORAGE

12 months when stored in original unopened container away from direct heat, sunlight and moisture. Protect from frost.



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WARRANTY

Concrete Waterproofing Systems Ltd warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to Concrete Waterproofing Systems Ltd shall be limited only to the replacement of the product proven to be defective and shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. The user shall determine the suitability of the product for its intended use and the user assumes all liability in connection therein and Concrete Waterproofing Systems Ltd shall not be liable save for terms of this warranty.