

CHEMSEALFLEX

CEMENTITIOUS ACRYLIC BASE ELASTOMERIC WATERPROOF COATING SYSTEM

DESCRIPTION:

CHEMSEALFLEX is a 2-component flexible acrylic modified cementitious waterproof coating system. This waterproofing coating cures to form an elastomeric waterproofing membrane with excellent adhesion. This material exhibits excellent bond strength with reduced permeability. **CHEMSEALFLEX** forms a breathable coating. **CHEMSEALFLEX** protects exposed reinforced concrete structures against attack from acidic gases and chloride ions.

The coating is particularly suitable for use in areas of coastal and marine environments and can be used in all types of structures, for existing and new concrete. **CHEMSEALFLEX** exhibits high wear resistance, weather resistance and is suitable to be used as a decorative coating. The coating provides a seamless, resilient and elastomeric flexible waterproofing system.

ADVANTAGES:

- Suitable for waterproofing water retaining structures.
- Withstands high positive and negative hydrostatic pressures.
- Excellent resistance against the HOT & Humid climate
- Resistant to Soil Borne Chemicals
- Suitable for Plinth protection
- Non-toxic
- For interior or exterior use.
- Excellent wear resistance.
- Suitable for RCC Slab Waterproofing.
- Excellent crack bridging capacity.
- Excellent bond to substrate such as concrete, masonry, Metal etc.

TECHNICAL INFORMATION:

Color	:	Grey
Supply	:	Powder and Liquid
Elongation	:	200%
Pot Life	:	1 Hour
Foot traffic	:	After 1 Day
Toxicity	:	Non-Toxic
Density	:	1.8 Kg/Cm3
Tensile Strength	:	780 psi

Chloride ion Resistance	Coated	Un-Coated
6 Months	0.0004%	0.035%

DIRECTION FOR USE:

Surface Preparation

Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface can be prepared mechanically. The final step in cleaning should be complete removal of all residues with a vacuum cleaner or by any suitable surface cleaning procedure.

Prior to application, the surface should be pre-soaked with clean water. Excess standing water should be removed.

MIXING:

CHEMSEALFLEX should be mixed using a slow speed mixer. Add the appropriate amount of liquid for the batch size and then add the dry product. Mix for a minimum of 3 minutes, Endeavour to avoid air entrapment. **CHEMSEALFLEX** should be applied immediately after mixing, avoid mixing more material that can't be used within 45 minutes.



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APPLICATION:

Thoroughly dampen down the concrete surface with clean water prior to application. Ideal conditions are saturated surface dry (SSD). Do not apply to dry concrete. Whilst damp, apply **CHEMSEALFLEX** with a bristle brush or roller at the rate of 1.5 kg/m². The two coats will ensure even coverage and remove pin holing. Where more than one coat is required, the previous coat should be allowed to dry prior to subsequent applications.

At up stands and across joints, it is recommended that a geotextile mesh be embedded in the coating. This will increase the physical properties and will aid distribution of localized stresses. The mesh should be applied as a sandwich between the first and second coats of **CHEMSEALFLEX**.

As **CHEMSEALFLEX** is moisture tolerant, it can be applied onto concrete that is only 24 hours old thereby giving immediate protection and curing.

Where heavy depressions, cracks or blowholes are present, reduce the amount of gauging liquid in the mix to the desired consistency and carry out re-profiling. When used in tanking applications allow the coating to cure fully for 72 hours prior to water testing.



CLEANING:

Utilize clean water for cleaning of equipment and tools.

PACKAGING:

CHEMSEALFLEX is packaged as 15 Kg powder and 7.5 Kg of Liquid additives. 22.5 Kg Set

COVERAGE:

CHEMSEALFLEX coverage rate is 1.5Kg/Sq.m in two coats.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.