

CHEMFLEX-C

Advanced Polymer-Modified Cementitious Waterproofing Coating

DESCRIPTION

ChemFlex-C is a premium two-component, acrylic-reinforced cementitious waterproofing and protective coating. Comprising a high-performance cementitious powder and a specialized polymer liquid, ChemFlex-C forms a seamless, flexible barrier against water ingress. Ideal for both above- and below-ground applications, it combines rapid curing with exceptional adhesion and durability.



• USES

In order to protect against both positive and negative water pressure, CHEMFLEX-C is applied as a waterproof coating to wall and floor surfaces, water containers, foundations, etc. It is used to treat substrates that don't have an excessive movement or cracking danger.

It is suitable for the following applications:

- Water and sewage works, such as tanks and manholes
- Basements and lift pits
- Retaining walls and bridge structures
- Sea walls and irrigation channels
- Balconies, bathrooms etc.

• CHARACTERISTICS / ADVANTAGES

- Rapid Application: Brush, roller, or spray application with minimal downtime.
- Self-Curing: Eliminates need for external water curing.
- Crack Resistance: Reduces plastic shrinkage and drying cracks.
- High Flexibility: Accommodates substrate movement without compromising integrity.
- Eco-Friendly: Low VOC formulation.
- UV stable.
- High abrasion resistance.
- Vapour permeable, resistant to frost, de-icing salts and ageing

• PACKAGING

CHEMFLEX-C is available in 20 Kg Pack.

Cementitious Powder = 15 Kgs.

Acrylic Polymer Liquid = 5 Kgs.



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• Application Method

Mixing

ConFlex 515 is supplied in pre measured units and should be mixed on site utilizing clean containers and a mixture machine with suitable paddle.

Power Mixing: Shake well the liquid component and pour it into a suitable clean mixing vessel. Gradually start addition of powder component under constant mixing with electrically operated machine paddle in a slow speed. Let the mix stand for 4-5 minutes to achieve a homogeneous and uniform free flowing slurry.

Hand Mixing: For small batches, add the powder to liquid whilst stirring with a trowel or paddle.

Always apply to a pre-dampened surface using a stiff-fibred brush. High suction substrates will require more dampening than dense substrates.

1st Coat: Apply a first coat of CHEMFLEX-C at a minimum rate of 1 kg./- m². This coat should be brushed well into the surface. Care should be taken not to spread the material too thinly. Finish in one direction only for a neat appearance. If the brush begins to drag during application, dampen the surface again. Allow at least an overnight cure before applying the second coat. Apply the second coat when the first coat is sound enough to receive it without damage.

Second Coat: Apply the second coat at a minimum rate of 1 kg./m². This can be applied by brush, broom or spray. If there is condensation on the wall, remove the excess moisture with a sponge. If the wall is too dry, dampen it with a sponge or fog-spray.

• INSTRUCTIONS FOR USE

Surface Preparations

Surfaces to be waterproofed must be completely clean and structurally sound. All surface coatings, defective renders, foreign matter, formwork treatments and other contaminants that may affect the bond adversely should be removed.

• HANDLING & STORAGE:

ConFlex 515 has a shelf life of 12 months if kept in a dry cool place in the original packing.

• TECHNICAL SPECIFICATIONS

Appearance	Powder : Grey Liquid : Milky White
Pot Life	At 20 C 70 minutes At 40 C 25 minutes
Compressive Strength	40-45 N/ mm ² at 28 days
Tensile Strength	3.7 N/ mm ² at 28 days
Density	1.85 kg/ltr
Flexural Strength	7.6 N/ mm ² at 28 days
Adhesion Strength	2.5 N/ mm ² at 28 days
Coverage	2 Kgs. Per m ² (2 Coats) 1 mm thickness
Storage Condition	Store in a cool dry area between 50 C & 350 C
Shelf Life	Shelf life is up to 12 months from the production date, when stored in covered and out of direct sunlight area.



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