

CHEMFLEX

CHEMLAND CHEMICAL TECHNICAL DATA SHEET



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JHOTWARA INDUSTRIAL AREA, JAIPUR

CHEMFLEX

Latex Based Two-component WATERPROOFING COATING

Chemflex is a two-component latex Based cementitious , flexible waterproofing coating. It is a composed of best quality Portland cement, properly selected and graded aggregates, additives and acrylic polymer as a binder. It is applied to waterproof and protect concrete structures.

PRODUCT FEATURES

- Flexibility
- Adhesion
- Efflorescence resistant
- Seamless coat
- Waterproof
- Crack bridging
- Anti carbonation
- Easy to apply

Application area

Suitable for use on new and old concrete / mortar/ plaster surface which is in good condition. Specially designed for waterproofing of

- Bathroom, toilets, balconies, water tanks, basements and retaining walls
- Waterproofing coating for natural stones
- Masonry surface : Brick wall / concrete slabs
- Seepage wall

TECHNICAL DETAILS

Mix Ratio (powder : Liquid), by weight			2:1
Surface dry time, minutes	ASTM D 1640 MINS.		40-45 MINS.
Recoat ability time, Hrs			4-6 hrs.
Elongation at break, %	ASTM D 412		75%
Adhesion strength, Mpa	ASTM D 4541		0.7

How to apply

Surface preparation

- The surface must be strong and free from dirt, dust and loose particles.
- Thoroughly wire brush the surface and clean the dust by air compressor or wash the surface with water. Oil and grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using a suitable Chemland products.
- In case of efflorescence, cement plaster should be removed well over and wider of the affected area up till the brick level.
- Prior to application the surface must be in saturated surface dry (SSD) condition.

APPLICATION

- Apply chemflex slurry by brush over SSD masonry/ brick, surface.
- Allow the surface to dry for 4-6 hrs. Drying will depend on temperature and humidity. Then apply second coat in perpendicular direction to the first coat.
- Ensure a forced coverage of 1.50 – 1.60 sq. mt./ kg/coat
- Ensure overlay of cementitious screed / plaster within 24 to 48 hrs.
- In case of fresh concrete/ masonry substrate – the surface must be cured for 28 days before application.

MIXING

- Shake the liquid component well.
- Transfer entire quantity of liquid component into a suitable clean mixing vessel, gradually start addition of

powder component under constant mixing.

- In case of large quantity use mechanical stirrer.
- Mix the entire quantity until a smooth homogeneous slurry without lump is achieved

PRECAUTIONS AND MIMITATIONS

- Mix the entire quantity of both the components.
- Always add powder to liquid, to ensure the mixture is free of lumps.
- Do not add water during mixing / application.
- Do not use powder with any other liquid. It will affect the performance.
- Do not flood the treated surface with water until it is completely cured.

SAFETY AND ENVIRONMENT

During painting

Always work in well ventilated area. Wear appropriate attire, especially gloves and eye protection, mask. Avoid contact with skin as it may cause irritation.

CLEANING

Wash all tools with clean water immediately after application.

SAFETY INSTRUCTIONS

In case of eye contact rinse immediately with water and seek immediate medical treatment. To remove that material from skin, use soap and water or appropriate cleanser.

STORAGE

Store in a cool dry and well ventilated place away from heat sources, flammables or direct sun light. Do not store near food, drink or animal feed. Keep out of reach of children.

SHELF LIFE

Best before 12 months from date of manufacturing in unopened original packing when stored in dry condition.

CHEMLAND CHEMICALS

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