

CEMCRETE

Acrylic Co-polymer bonding & waterproof agent

DESCRIPTION

CEMSEAL CEMCRETE is composed of acrylic co-polymer & additives. It is used as a bonding agent for new to old substrates as it provides strong bonds to old - new concrete. Moreover, it is used for acrylic based waterproofing solution as well for higher flexibility & UV resistance. Improves tensile flexural strength of concrete and increases the durability of the structure. When mixed with cement, It forms matrix and provides excellent waterproof coating. CEMSEAL CEMCRETE provides better flexibility compared to other latex based solutions. It conforms to BS 6319 part 2:1983, BS 6319 part 4:1984 & BS 7542:1992.

AREA OF APPLICATION AS A BONDING AGENT

- **Concrete repair** : Spalled concrete floor, columns, beams, chajja & parapet, etc.
- **Bond Coat** : Old to new concrete, masonry, stonework plaster, fixing or re-fixing slip bricks, tiles, marbels & bedding.
- **Priming** : Reinforcement cement steel.
- **Additive** : Additives for renders & mortars.
- **Coating** : As an flexibiliser to cement.

AS A WATERPROOFING AGENT

- Helps floors to get high abrasion resistance.
- Waterproofing of building terraces, toilets, basements.
- Recommended for use in effluent tanks, dairies, food factories, fertilizer stores etc.
- Waterproofing of water tanks and swimming pools.
- Renovation and protection of concrete against corrosion and salt.
- Patching and bonding on to background of low suction and repairing of concrete and masonry wall - internal, external and terraces by cement mortar.

FEATURES & BENEFITS

Chloride content : Nil

User Friendly : Single component. Ready to use, simply brushed onto concrete as a primer.

Bonding : Provides excellent bond to concrete, masonry, plywood, gypsum & plaster.

Strength : Improves tensile, flexural and compressive strength as compared to control concrete hence increases the durability of structures.

Compatibility : Compatible with all common cements hence it is versatile.

Dust generation : Excellent as a dust proof sealer.

Waterproofing : Improves waterproofing properties of cement & cementitious compositions. Allows thinner section and reduction in water content.

Flexibility : Improves adhesion and flexural strength of cement & cementitious composition. Reduces cracking.

Suitable for : Is suitable for use in damp situation.

Resistance : Improves chemical and abrasion resistance.



METHOD OF APPLICATION

AS A BONDING AGENT

SURFACE PREPARATION

- Clean the surface and remove any dust, unsound or contaminated material, loose plaster, oil, paint, grease, corrosion deposits or algae. Where breaking out is not required, roughen the surface and remove any laitance by light scabbling or grit blasting.
- Expose fully the corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to bright condition particularly the hidden portions of the exposed steel bars.
- The surface should be thoroughly soaked With clean water prior to application of CEMCRETE

APPLICATION

- Apply one coat of CEMCRETE cement slurry (1:1 by volume) to all exposed area and allow it to dry. A second coat application is also recommended. Allow it to dry.
- Apply CEMCRETE with brush or rollers on the substrate and avoid ponding and remove any excess material. The repair or topping application should be carried out whilst the primer is still tacky.

AS A WATERPROOFING AGENT

SURFACE PREPARATION

The Surface must be free from dust, loose particles, oils, grease, mould releasing agents, fungus, moss and coating. Clean the surface by scrapping / sand blasting/ grinding to remove dust, loose particles, fungus and moss. Whereas solvents can be used for removing coating, oils, greases and mould releasing agents. Surface of high suction should be thoroughly dampened before application of bonding coat.

MORTAR APPLICATION

(Renderings, patching, bedding and damp proofing mix) For rendering, patching and bedding mix - two coats of bonding slurry are recommended. Application of first coat and second coat must be done at right angles. Apply mortar while the second coat of bonding slurry is still wet to get good adhesion between old & new concrete. In bedding mixes apply bonding slurry on both the substrate. For damp proofing, three coat of bonding slurry is recommended. Give at least 48 hours between second coat and third coat of bonding slurry.

FLOORING APPLICATION

For flooring, the base should be thoroughly prepared and treated with the two coats of bonding slurry. The materials should be mixed to a semi dry consistency and applied into wet bonding slurry at a thickness of 25 mm. For floor greater than 25 mm, reduce the CEMCRETE content and add the extra water to produce a semi dry Mix.

CLEANING OF TOOLS AND EQUIPMENTS

Tools and equipments can be easily cleaned with water.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately.

If accidentally ingested, seek immediate medical attention. Reseal containers after use.

TECHNICAL INFORMATION & SERVICES

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.

Note

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

Address

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