

CIS SUPERBINDER

TWO COMPONENT EPOXY BONDING AGENT

PRODUCT CATEGORY: SLAB JOINT EPOXY

PRODUCT DESCRIPTION

CIS SUPER BINDER is a two part solvent free bonding agent composed of liquid epoxy resin and hardener. It is used for bonding of structural concrete new to old concrete and bonding agent for bricks and steel components because it gives excellent bonding properties to freshly mixed concrete/mortars, glazed bricks, tiles, etc.

AREAS OF APPLICATION

- CIS super binder for bonding of old to new concrete / mortar.
- To extend or repair structural concrete.
- CIS super binder of glazed brick, tiles, steel & structural members.

FEATURES & BENEFITS

- Ease of application - Easily applicable by brush as a bonding agent for old to new concrete / mortar.
- Adhesion - Excellent adhesion to almost all building materials.
- Strength - Bond strength exceeds the tensile strength of concrete hence no failure of concrete due to high degree of movements.
- Open time - Comfortable open time to complete the work easily.
- Shrinkage - Very low shrinkage as compared to polymer modified cementitious bonding agents- Water resistance - Excellent water resistance and sealing property prevents leakage.
- Toxicity - Non toxic.
- Moisture tolerant - It is moisture tolerant hence provides strong bond of new concrete to fresh concrete.
- Durability - Very high durable bond.
- Chemical Resistance - Resistant to chemical attack.

METHOD OF APPLICATION

SURFACE PREPARATION

- The surface must be thoroughly cleaned and prepared. Remove all loose particles, dirt, dust, laitance, and mould release agents, curing compounds, oils, grease, floor hardeners and any waterproofing materials for best results.



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- Remove laitance, dirt and dust by mechanical scarification such as wire brushing, scrapping, scabbling or grit blasting.
- Clean the dust by pressurized air or by washing with water. Oil and grease should be removed by degreasing with solvents like turpentine or thinners. Visible signs of mould growth should be removed & treated with a fungicidal solutions New concrete must be cured completely

MIXING

- Stir the material of both base & hardener containers to a uniform colour & consistency.
- Transfer the entire quantity of base component into a clean & dry vessel, then poured entire quantity of hardener into the base. The two parts must be mixed thoroughly with a low speed mixer (150 to 200 rpm for about 3 to 4 minutes) to get uniform colour & consistency of the mixed material

APPLICATION

- Mixed material should be brushed applied on the prepared surface.
- Overlay of concrete / mortar has to be placed on CIS super binder when it is tacky.
- In case CIS super binder has dried, apply a 2nd coat before placing the concrete / mortar.

PRECAUTIONS & LIMITATIONS

- CIS super binder should be applied on old concrete surface.
- Before CIS super binder get tack free, apply new concrete or mortar.
- If applied coating gets fully dry then apply 2nd coat over it.

MIXING RATIO

100:90 (base:hardener)

PACKING

1.8 kg

SHELF LIFE & STORAGE

- Shelf life is 12 months from date of manufacturing in unopened containers.
- Store at cool & dry place, away from sun heat .

COVERAGE

- 2 – 3 sq meter / kg depending on the substrate