

SUNMIX

SINGLE COMPONENT READY TO USE REPAIR POLYMER MODIFIED MORTAR

DESCRIPTION

SUNMIX - is a ready to use fiber reinforced polymer modified repair mortar ideally suited to repair of damaged RCC structures by hand application or trowelling.

AREA OF APPLICATION

- Repairs of RCC members, residential, commercial, and industrial bldgs.
- Heritage structures rehabilitation.
- Repairs to jetty, bridges or any other structures in marine environment.
- Repairs of structures members subjected to repetitive loading.
- All kinds of structural repairs which require application by hand or wet spray applications.

ADVANTAGES

- Easily applicable, user friendly system.
- Requires only the addition of a definite quantity of mixing water.
- Dual shrinkage compensating.
- Excellent adhesion to concrete.
- Smooth, easily produced finish.
- Low permeability
- Excellent resistance to environmental elements.
- Low rebond – saving in material cost during spray application.
- Machine application increases the speed of work.

APPLICATION PROCEDURE

Substrate Preparation

It is essential that the substrate to be repaired is sound, clean and free of all contamination. The

damaged areas of concrete to be removed should be clearly identify. The perimeter of area should be sawcut to a depth of minimum 15 mm and the edges cut as possible keeping the sides squares.

If reinforcement is exposed in repair area, it should be cleaned to remove all the rust particles by mechanical means like metal wire brush etc.

Provide anti corrosive treatment to reinforcement steel by using RUSTICIDE and POLYALK FIXOPRIME.

The repair concrete to be repaired substrate must be saturated with water till saturated surface dry condition is achieved. Any excess water may be removed by cloth or compressed air.

MIXING

SUNMIX must be mechanically mixed using a forced action pan mixer in a clean drum.

For normal application, use from 13-15 % water: powder ratio. Mixing time depends upon the type of mixer used 2-3 minutes is an average until mortar is homogeneous and lump free. Use without delay.

Add water if necessary to get desired consistency. Mix for a further 1 to 2 minutes. Under no circumstances should excess water be added. Little extra water may be required in hot climatic condition.

PRIMING /BONDING

Mix thoroughly 0.5 part fresh cement with 1 part POLYLAK EP (by weight) using mechanical mixer. Slurry of consistency easily applicable by brush is ready for use as a bonding material. Apply the bonding coat on the cleaned RCC surface taking care to avoid pinholes. Immediately after application

of bonding coat , place the Polymer repair mortar that come over it “wet on wet” application.

PLACING

After mixing SUNMIX can be sprayed or trowel applied. When applying by hand SUNMIX must be forced tightly into the substrate to ensure complete contact with the substrate.

For repairs, which require multi- layers application, it is important to ensure that previous layers are well keyed and hardened but not fully cured prior to the application of subsequent layers. Final profiling should be carried out with wooden float or steel trowel.

CURING

Proper curing is essential. Sprinkle water for min 4-5 days or by covering the repaired area with plastic sheet fixed over wet Hessian cloth.

PACKING
25kg bag

COVERAGE

One 25 kg bag of SUNMIX will typically yield 16 liters of mortar

CLEANING

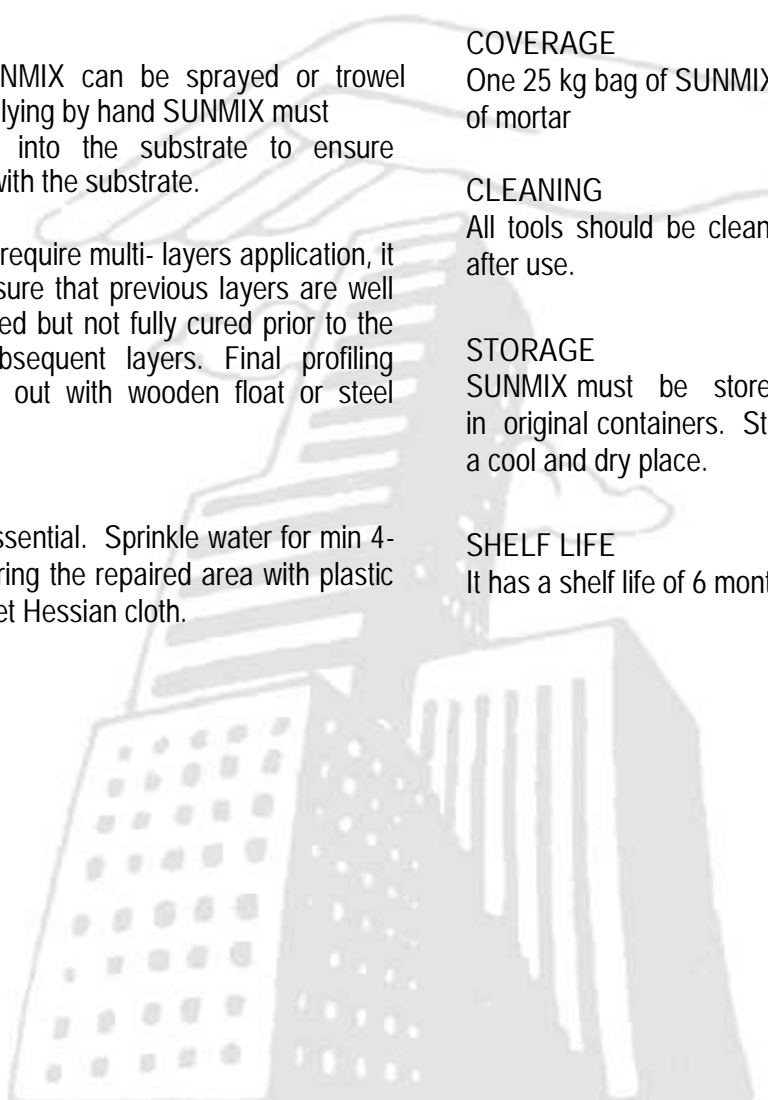
All tools should be cleaned with water immediately after use.

STORAGE

SUNMIX must be stored preferably in shade and in original containers. Store out of direct sunlight, in a cool and dry place.

SHELF LIFE

It has a shelf life of 6 months when stored as above.



DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.