



Waterproof, Non-Shrink, Polymer Modified Fine Cosmetic Repair Mortar

General

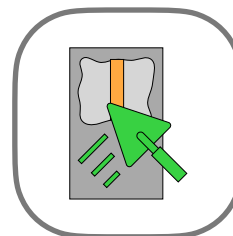
SS – StructoRep CR is a one component, non-shrink, waterproof cosmetic repair mortar, which can be used for a variety of operations, where smooth coatable surfaces are required post repairs and prior to Protective Coatings. It is a general-purpose solution to repair, smoothen and level concrete substrates. **SS – StructoRep CR** ensures smooth surfaces, completely filled bugholes and surface defects in concrete to offer a stable substrate that can be utilized in a reasonably short time and a reasonably, waterproof and crack free protection is obtained.

SS – StructoRep CR is specially formulated to meet the requirements described above, owing to the selection of particularly suitable cements, special strength enhancing additives, polymer binders and well – graded fillers.

SS - StructoRep CR benefits the user by being easy to apply, provides an excellent smooth surface for the Anti-Carbonation Coating (**SS - ProtectoCon AC**) or other protective Coating Systems. The mortar ensures a stable, water-tight, fairing coat that most importantly does not crack. It can also be used to fill formwork holes, conduits and other such voids in Concrete.

Product Features

- Fine Powder
- Easy to mix and apply
- Mixes to a smooth paste to fill fine defects
- Sets and hardens rapidly to ensure quick overcoating
- Easily Trowelable
- Easy to level and finish
- Suitable for thicknesses of 5mm down to 0mm
- Excellent resistance to water, alkalis, oil and salts
- Excellent adhesion to concrete
- For use as a cosmetic mortar only, not for structural applications



Concrete Repair



Areas of Application

- Repairing spalled or honeycombed concrete
- Smoothening and Leveling Rough Concrete Surfaces
- Surface Finishing for damaged precast elements
- Filling construction joints, corners, form holes, etc.
- Precast concrete connections
- Fairing Coat for Repaired Concrete Surfaces
- Substrate for **SS - ProtectoCon AC** and other protective coatings
- Filling cracks, bugholes and pinholes on Concrete Surface
- Repairing broken edges on concrete elements
- As a scratch coat below Acrylic or Epoxy Systems

Areas of Application

Specification Keywords	Non-Shrink, Waterproof, Polymer Modified, Cosmetic Mortar, Fairing Coat, Smoothening Coat, Underlay for Protective Coating Systems, crack filling
Delivered As	Grey Powder
Storage Instructions	Store in a cool, dry area away from sunlight in original packaging
Shelf Life	12 months
Post Use	Empty packaging completely. Dispose as per local regulations. Refer MSDS for suggestions.
Packing Size	30 kg



Hazards and Safety



Technical Data

Sp. Gravity	1.8 ± 0.05
Min. Use Temperature	20°C
Pot Life	25 to 30 Minutes
Setting Time	4 to 8 hours depending on ambient temperatures
Compressive Strength	~ 20 N/mm ² in 28 Days
Flexural Strength	~ 2.5 N/mm ² in 28 Days
Mixing Ratio	18 to 20% Water by weight of Powder depending on consistency requirements.
Consumption	1.8 kg Powder / liter Volume.

Instructions for Use

Prior to use, adequate surface preparation is needed. The substrate should be structurally sound, free from oils, grease, dust or curing compounds, etc. The cracked surfaces should be free from paints and laitance. The substrate should be damp, not saturated prior to application of **SS – StructoRep CR**. Remove any and all dust in the cracks / substrates using an air blower or a stiff brush.

Weigh out the water and **SS – StructoRep CR**. Add the powder to the measured water and not vice-versa as it helps in dispersion of the polymers. Mix Mechanically for 2 to 3 minutes to get a smooth trowel able mixture. Water if needed can be added to get the correct consistency.

Apply to the cracked surface / intended substrate, using a steel trowel in 1 to 2 coats as required, with 3 to 5 hours between coats. After the mortar has dried, smoothen the surface using sandpaper or a stiff sponge. Cure like polymer modified mortars.

Mix and use complete bags for best results.

Safety and Precautions

- Mix only small quantities that can be used within 30 minutes.
- Water should not be added to hardened mortar.
- Higher temperatures accelerate the hardening and lower temperature delays it.
- The mortar requires adequate protection from drying out and needs curing. Contact us for any other special applications.
- Take suitable safety precautions at all times. Always wear protective goggles, safety shoes, masks and gloves.
- If inhaled, move immediately to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes.
- Remove contaminated clothing and shoes and call a physician.
- Clean up promptly after job is complete. Clean equipment with water and allow to dry in a well-ventilated area. Allow rags etc. to dry in a well-ventilated area out of the reach of children and pets.
- Local, state and federal regulations should be consulted for proper disposal procedures.