Assess Build Chem Pvt. Ltd.
A World of Concrete Solutions

SS - AntiCorr AC

Ready to use, Polymer Modified, Mineral, Active Corrosion Protection and Bonding Mortar used for Concrete Repair

General

SS - AntiCorr AC is a one component, non-shrink, waterproof fine mortar, which can be used for a variety of operations, where reliable corrosion protection for reinforcement and bonding is required between the existing substrate and the concrete replacement mortar. **SS - AntiCorr AC** is specially formulated to meet the requirements described above, owing to the selection of particularly suitable cements, active corrosion inhibitors, special bond enhancing polymer additives and well – graded fillers.

It protects reinforcement from corrosive elements by passivating the steel and also acts as a bonding bridge between concrete and mortar, cement mortars, and concrete substrates and mineral coatings / linings. **SS - AntiCorr AC** ensures strong adhesion to both steel and concrete and can be used to treat minor surface defects in concrete to offer a stable substrate that can be repaired in a reasonably short time and a reasonably, waterproof and crack free connection is obtained.

SS - AntiCorr AC benefits the user by being easy to apply, provides an excellent tacky surface for the repair or protective Coating Systems. The mortar ensures a stable, water-tight, connection that most importantly does not crack.

Product Features

- Active Corrosion Inhibiting Lining to prevent corrosion in repair strategies
- Corrosion Protection in conformance with EN 1504 Part 7: Coating with Active Pigments
- Fine Powder, Easy to mix and apply, Mixes to a smooth paste to ensure even easily brushable application
- Long open time and excellent wetting capability
- Gradation and polymers ensure strong reliable bonds between cementitious surfaces
- Excellent resistance to water, alkalis, oil and salts
- Excellent adhesion to concrete
- Watertight and non-shrink

Areas of Application

- As active corrosion protection system to be applied over prepared reinforcement
- As bonding coat between old and new concrete
- Bonding coat between concrete and cement based concrete replacement mortars, grouts and linings
- Bond coat between concrete and overcoating mortars, tile adhesives or plasters
- For bonding concretes at a cold joint
- Watertight connections at cold joints
- Bonding coat between reinforcement and concrete replacement system

Areas of Application

Specification Keywords	Non-Shrink, Waterproof, Polymer Modified, Bonding Mortar, Bonding Bridge, active corrosion protection system
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

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Hazards and Safety

Technical Data

Sp. Gravity	2.1 ± 0.05
Min. Use Temperature	20°C
Pot Life / Open Time	45 Minutes
Setting Time	4 to 8 hours depending on ambient temperatures
Bonding Strength	> 1.5 N/mm^2 in 28 Days
Mixing Ratio	20 to 25% Water by weight of Powder depending on consistency requirements.
Consumption	2.0 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 , rust 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 - AntiCorr AC.** Remove any and all dust in the cracks / substrates using an air blower or a stiff brush.

Prepare the reinforcing steel to SA 2½ standards in accordance with DIN 55928, part 4. Reinforcement must be free from rust and any other contaminants or corrosion developing products. This can be achieved by mechanical means such as grinding, mechanical wire brushes, shot blasting or high pressure water jetting. The use of rust removers is not recommended.

Weigh out the water and **SS - AntiCorr AC**. 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 brushable mixture. Water if needed can be added to get the correct consistency.

Apply to the concrete / mortar / reinforcement / intended substrate, using a brush in 1 to 2 coats as required, to get an even thickness on the substrate. Apply the cementitious concrete replacement system wet-in-wet to the applied bond-coat. If using for new construction, coat the reinforcement after bending. Do not use if the mortar has hardened or is setting. Mix and use complete bags for best results.

Safety and Precautions

- Mix only small quantities that can be used within the potlife.
- 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. 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.