



## Ready to use, Polymer Modified, Mineral Bonding Coat for Concrete Replacement in Repair Strategies

### General

**SS - StructoBond BM** is a one component, non-shrink, waterproof fine mortar, which can be used for a variety of operations, where reliable bonding is required between the existing substrate and the concrete replacement mortar. It acts as a bonding bridge between concrete and mortar, two different cement mortars, and concrete substrates and mineral coatings / linings. **SS - StructoBond BM** ensures strong adhesion 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.

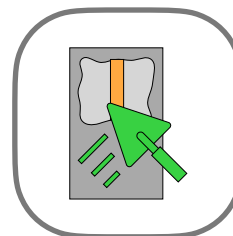
**SS - StructoBond BM** is specially formulated to meet the requirements described above, owing to the selection of particularly suitable cements, special bond enhancing additives, polymer binders and well – graded fillers.

**SS - StructoBond BM** 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.

Due to its versatile formulation, the material can also be used as an active reinforcement corrosion protection system in repair strategies.

### Product Features

- Fine Powder
- Easy to mix and apply
- Mixes to a smooth paste to ensure even application
- Long open time
- Easily brushable
- Excellent wetting capability of the substrate
- 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



Concrete Repair



### Areas of Application

- 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
- As active corrosion protection system to be applied over prepared reinforcement
- Bonding coat between reinforcement and concrete replacement system

### Areas of Application

<b>Specification Keywords</b>	Non-Shrink, Waterproof, Polymer Modified, Bonding Mortar, Bonding Bridge, active corrosion protection system
<b>Delivered As</b>	Grey Powder
<b>Storage Instructions</b>	Store in a cool, dry area away from sunlight in original packaging
<b>Shelf Life</b>	12 months
<b>Post Use</b>	Empty packaging completely. Dispose as per local regulations. Refer MSDS for suggestions.
<b>Packing Size</b>	30 kg



## Hazards and Safety



## Technical Data

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

Weigh out the water and **SS – StructoBond BM**. 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 surface / 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. 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.