



CHEMILINK

ZERO WASTE ENGINEERING

CHEMILINK™ SS-231

Polymer Modified Repair Mortar for Concrete

Description

Chemilink™ SS-231 is a two parts, pre-packed, pre-weighed polymer modified cementitious repair mortar used for patching, repairing, filling and leveling of reinforced concrete or any cementitious surfaces. Part A is mixed completely with Part B to form a high strength, cohesive and durable water resistant mortar. It is a quality controlled high performance composition which will achieve high compressive strength characteristics. The presence of a copolymer ensures an excellent bond to most surfaces and enhances properties such as impermeability, flexural and tensile strengths.

Technical Data

- Fresh Density: 1,800kg/m³
- Typical Compressive Strength: at 7 days: 30 MPa
at 28 days: 40 MPa
- Tensile Strength: 1.5 MPa
- Flexural Strength: 7 MPa
- Setting Time:
 - Initial: 4 hours
 - Final: 9 hours

Applications

- As a patching mortar for spalling concrete, worn out surface of wall renderings or floor screeding;
- It can also be used as a thin-set bedding material for bedding ceramic tiles and all natural or manmade stone;
- For repair of honey combed concrete, after the formwork have been removed;
- As a crack filler and also as a general mortar for thin-bed or thick-bed tile adhesive installation.

Surface Preparation

The substrates must be clean and sound, free of dust and loose particles. Surface must be primed with Chemilink™ SS-232 to achieve maximum results prior to patching.

Mixing

Pour Chemilink™ SS-231B (Part B, liquid) into a clean container and stir/mix with a low speed drill fitted with a custom-made paddle. Pour Chemilink™ SS-231A (Part A, powder) slowly into Part B taking care to mix thoroughly until homogenous and lump free.

Application Procedures

Apply Chemilink™ SS-231 with a trowel and press hard. Build up to the maximum thickness in a series of thin layers, applying the next layer once the preceding layer has stiffened, but not set. The thickness of the Chemilink™ SS-231 layer in a single application should not exceed: 40mm vertically; 35mm overhead.

Package & Coverage

Package: Part A (Powder) - 25 kg; Part B (Liquid) – 4.5 kg
Coverage: Approximately 1.6 to 2kg/m² at 1mm thickness.

Storage

Chemilink™ SS-231 has a shelf life of 6-12 months if stored in a cool, dry place.



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Our technical advice on the uses of our materials is given without obligation. The buyer is responsible for the application and processing of our products, and he is also liable for observing any third party rights. Technical data concerning our products are typical values.

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