



CHEMILINK
ZERO WASTE ENGINEERING

CHEMILINK™ SS-132

High Performance Mortar for Thin-Layer Surface Repair

Description

Chemilink™ SS-132 is a two-part, fast setting, high performance mortar specially designed for thin-layer surface repair. Part A is a grey powder consisting of special cements, graded silica sand and chemical additives to enhance workability, adhesion, setting and hardening properties. Part B is a milky-white mixture consisting of polymer latex and other additives. It is recommended to use by mixing part A with part B to produce smooth free-flowing slurry for placing in thickness of 3 ~ 10 mm.

Typical Uses

- Repair of damaged concrete surfaces

Advantages

- High early strength: can be placed into service after 4 hours
- High final strength: suitable for high loading situations
- Pourable: easy to apply in confined areas
- Environmentally friendly: non-toxic, and does not corrode reinforcement
- Shrinkage compensated: increasing cracking resistance

Technical Data

- Compressive Strength at 2 hours: 8 ~ 15 MPa
- Compressive Strength at 4 hours: 15 ~ 25 MPa
- Compressive Strength at 1 day: 20 ~ 30 MPa
- Compressive Strength at 3 days: 25 ~ 35 MPa
- Compressive Strength at 28 days: 35 ~ 50 MPa
- Setting Time: < 40 minutes

Surface Preparation

Correct substrate preparation is very critical for adhesion performance. All surfaces should be sound, clean and free from laitance, oil, grease or any other contaminants. Prior to applying the mortar, the substrates should be thoroughly saturated with clean water.

Mixing

Mechanical mixing is recommended.

Mixing should be carried out by adding 1 bag (25kg) Chemilink™ SS-132 Part A (powder) to about 4.10L of Part B (Liquid) in the mixer (with the mixer running) and mixing for approximately 2.5 minutes, or until a smooth homogeneous slurry is produced. Do not mix longer than 3 minutes to ensure that available working time is not reduced.

Application

The mixed mortar should be placed as soon as possible after mixing. Tamp the mortar to ensure fully compaction.

Curing

It is essential that all exposed areas are properly cured immediately with wet hessian, polythene sheet or curing compound after the surface is dry.

Package & Coverage

Package: 25kg Part A (Powder) + 4.1 ~ 4.3L Part B (Liquid)
Coverage: Approximately 4.0m² at 3mm thickness / set

Cleaning

Tools and equipment should be cleaned with water before the mortar hardens.

Storage

Chemilink™ SS-132 has a shelf life of 6 months if stored in a cool, dry place in tightly sealed bag.

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Total Solution Provider for Civil & Building Construction

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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