



# CHEMILINK

ZERO WASTE ENGINEERING

## CHEMILINK™ SS-133

### Fast Setting High Performance Repair Mortar

#### Description

Chemilink™ SS-133 is a two-part, fast setting, high performance repair mortar. Part A is a grey powder consisting of special cements, chemical additives and graded silica sand to enhance workability, adhesion, setting and hardening properties. Part B is a milky-white liquid consisting of polymer latex and other additives. It is recommended to use by mixing part A with part B to produce homogeneous mixture for placing in sections of at least 10mm thick.

#### Typical Uses

- Repair of damaged concrete pavement surfaces
- Repair of damaged reinforced concrete beams, columns and slabs

#### Advantages

- High early strength: can be place into service after 4 hours
- High final strength: suitable for high loading situations
- Environmentally friendly: non-toxic, and does not corrode reinforcement
- Shrinkage compensated: increasing cracking resistance

#### Technical Data

- Compressive Strength at 2 hours: 10 ~ 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 24kg (15kg powder + 9kg 5mm sand) Chemilink™ SS-133 Part A(powder) to about 2.45L of Part B(Liquid) in the mixer (with the mixer running) and mixing for approximately 2.5 minutes, or until a homogeneous mixture is produced.

#### 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 with wet hessian, polythene sheet or curing compound after the surface is dry.

#### Package & Coverage

Package: 24kg Part A (15kg powder + 9kg 5mm sand) + 2.45L Part B (Liquid)

Coverage: Approximately 1.2m<sup>2</sup> at 10mm thickness / set

#### Cleaning

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

#### Storage

Chemilink™ SS-133 has a shelf life of 6 months if stored in a cool, dry place in tightly sealed bag.

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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.*

### CHEMILINK™ TECHNOLOGIES & PRODUCTS

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