

# SpECbuild FC

## CEMENTITIOUS SKIM COAT

### DESCRIPTION

**SpECbuild FC** is a pre-bagged, one part, cementitious mortar. The product is designed to be applied as a skim coating to provide a fair faced finish to rough and uneven concrete or masonry surfaces.

### TYPICAL USES

**SpECbuild FC** is designed to improve the smoothness and regularity of concrete and masonry surfaces as in the following situations:

- Reinstating concrete surface defects such as blowholes.
- To provide a uniform surface over repaired surfaces.
- Correcting errors with respect to line and level.

### ADVANTAGES

- Pre-bagged to ensure constant high quality.
- Easy to use. Needs only the addition of clean water
- No need for a primer or a curing agent in normal conditions.
- Excellent adhesion to concrete.
- Resistant to shrinkage cracking.
- Free from chloride additives.

### TECHNICAL DATA

#### Tensile Strength

@ 28 days 1.5 N/mm<sup>2</sup>

**Mix density** 1850 - 1950 kg/m<sup>3</sup>

#### Compressive Strength

@ 28 days 20 N/mm<sup>2</sup>

#### Flexural Strength

@ 28 days 5 N/mm<sup>2</sup>

### APPLICATION

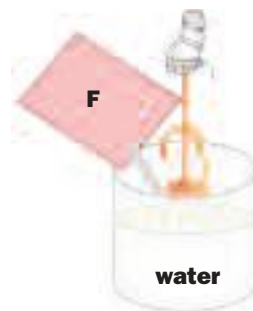
#### Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECbuild FC**. Grit blasting is recommended to ensure the removal of all laitance, grease and oil. The resulting surface should be dust free.

Prior to the application of the product the prepared substrate should be thoroughly soaked with clean water. When application commences the substrate should be saturated without standing water on the surface.

#### Mixing

**SpECbuild FC** is a one-part cementitious mortar. 4.8 to 5.2 litres of water is required for each 25kg bag of **SpECbuild FC**.



The product should be mixed in a forced action mixer or in an appropriate sized metal or plastic drum using a slow speed drill and a spiral paddle. The water should always be placed into the mixing vessel

before the addition of the **SpECbuild FC**.

The entire contents of the bag of **SpECbuild FC** should be emptied into the vessel whilst mixing is in progress. Mixing should continue for 3 to 5 minutes until a uniform, lump free consistency is produced.

#### Application

**SpECbuild FC** may be applied in one layer as a thin section render up to 3mm thick. The product may also be used for filling blow holes up to 10mm deep.

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The material must not be over worked and should be left to partially set before final finishing. This finishing may be improved by flicking on a very small amount of water prior to troweling.

### **Curing**

**SpECbuild FC** is resistant to shrinkage cracking however the material should be protected from extreme conditions such as hot winds or freezing conditions. **SpECcure AC** or **SpECcure WE** may be sprayed on to reduce the rapid drying out of the surface. In cold conditions the material should be protected from freezing.

### **EQUIPMENT CLEANING**

Tools and equipment should be cleaned immediately using water as, on hardening, the material may only be removed mechanically.

### **APPLICATION TEMPERATURE RANGE**

Minimum	5 °C
Maximum	35 °C

At temperatures above this range the material should be stored in shade and cool water used for mixing.

### **PACKAGING & YIELD**

A 25kg bag of **SpECbuild FC** will provide approximately 16 litres of mixed material, to cover 5.00 - 5.50 m<sup>2</sup> at 3.0 mm thickness.

### **STORAGE & SHELF LIFE**

**SpECbuild FC** has a shelf life of 12 months when stored in original containers in a cool dry environment.

### **HEALTH & SAFETY**

**SpECbuild FC** contains alkalis and protection should be provided to prevent contact with skin and eyes. Inhalation of dust must be avoided whilst mixing. Gloves, goggles and a dust mask must be worn.

#### **Eye Contact**

Rinse with copious amounts of clean water and seek medical attention.

#### **Skin Contact**

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

**DO NOT USE SOLVENTS**

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