

# SpECbuild SC

## CEMENTITIOUS SKIM COAT

### DESCRIPTION

**SpECbuild SC** 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 SC** 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

Typical results @	20 °C	30 °C
<b>Working Life (ASTM D2471)</b>	45 mins	30 mins
<b>Setting time (ASTM C403)</b>	45 mins-1.5 hrs	30 mins-1 hr
<b>Fresh wet density (ASTM D1475)</b>	2000 kg/m <sup>3</sup>	
<b>Compressive Strength (ASTM C 109)</b>		
28 days	32 N/mm <sup>2</sup>	

### APPLICATION

#### Preparation

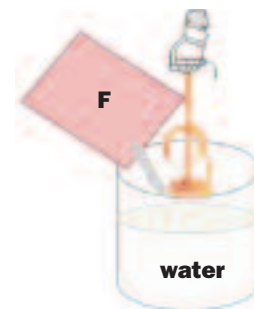
It is essential that adequate preparation is carried

out prior to the application of **SpECbuild SC**. 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 SC** is a one-part cementitious mortar. 6.5 to 7.0 litres of water is required for each 25kg bag of **SpECbuild SC**.



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 SC**.

The entire contents of the bag of **SpECbuild SC** 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 SC** 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.

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 SC** 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 single 25kg bag of **SpECbuild SC** will provide approximately 12.5 litres (0.0125m<sup>3</sup>) of mixed material.

At 3mm thick a 25kg bag will provide sufficient mixed material for 4.2m<sup>2</sup>.

## **STORAGE & SHELF LIFE**

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

## **HEALTH & SAFETY**

**SpECbuild SC** 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**

Issue 11B: 04/2017

**QA-054**

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If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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