

# SCR-100



## SCR-100 High Quality, High Strength Screed Mixture

### DESCRIPTION

**ACT SCR-100** is a pre-blended, specialty, high quality, high strength screed mixture for the installation for cementitious screeds and beds. For use beneath tiling systems and other various flooring systems including **ACT WP-1** waterproofing, **SCR-100** can be used for both internal and external, domestic and commercial screeding applications such as main foyers, floors, shower recesses, bathroom and laundry floors, balconies and patios etc.

### FEATURES & BENEFITS

- ◇ One component system mix with water for internal & external screed applications.
- ◇ Eliminates carrying sand & cement, ideal for multistorey buildings.
- ◇ Economical
- ◇ Suitable for thin and thick bed applications.
- ◇ Can be tiled over after 24 hours with **ACT ADH-31, 33, 44, 55 & 66** Adhesives.
- ◇ Excellent workability.
- ◇ Mix with **AD-1** to increase compressive strength, flexibility and adhesion.

### SUITABLE FOR

- ◇ Domestic & Commercial applications
- ◇ Internal & External applications
- ◇ Main foyers & floors
- ◇ Shower recesses
- ◇ Bathroom floor areas
- ◇ Laundries & Kitchens
- ◇ Balconies & patios
- ◇ Concrete Slabs

### SUBSTRATE PREPARATION

All substrates must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (Inc. overspray), coatings & contaminants which may cause adhesion failure.

### CONCRETE SLABS

Must be fully cured (28 days) & must have some water absorption. For impervious and non-porous substrates prime with **ACT PR-1** imperious primer.

### SLURRY COATS

A slurry coat **MUST** be applied over prepared concrete substrates. Dilute **ACT AD-1** 1:1 with clean water. Mix this solution with Portland Cement. Alternative mix **ADH-55** with clean water to a slurry consistency. Apply either of these slurry mixtures with a stiff broom thoroughly into the clean substrate. **SCR-100** mixture must be applied over wet slurry coat.

### MIXING

20kg of **SCR-100** will require approx. 2.2ltrs of clean drinking water. Slowly add **SCR-100** powder into a clean bucket with the measured water. Slowly mix with a quality drill and mixing paddle to ensure a consistent mix. The use of **AD-1** mixed 1:1 with clean drinking water will improve compressive strength, flexibility and adhesion. Once mixed, apply mixture to areas to be screeded. Do not leave mixture in bucket to stand.

### MOVEMENT JOINTS

It is essential that all movement joints are carried through the screed as per AS3958.1-2007.

### APPLICATION

Apply mixed **SCR-100** onto the prepared substrate and screed using a straight edge ensuring mixture is well compacted. Screed thickness: 10mm-100mm.

### DRYING

Allow minimum of 24hrs at 23°C for **SCR-100** to cure prior to tiling over. Drying time may vary depending on screed thickness & site conditions.

### COVERAGE

20kg of **SCR-100** will cover approx. 1m<sup>2</sup> at 10mm thick.

### TECHNICAL

| SCR-100 with water | Compressive strength | Flexural Strength |
|--------------------|----------------------|-------------------|
| 3 Days             | 16.6                 | 3.7               |
| 7 Days             | 20.7                 | 3.9               |
| 28 Days            | 27.5                 | 4.9               |

### SHELF LIFE

In unopened original packaging for up to 12 months when stored in a cool, dry environment and out of direct sunlight.

### LIMITATIONS

- ◇ Do not apply in temperatures below 5°C or above 35°C.
- ◇ Not to be used over substrates that are subject to shrinkage after application.
- ◇ Do not use below 10mm thickness or above 100mm thickness
- ◇ Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. All post-tension concrete slabs must be treated as flexible substrates.
- ◇ If in doubt, contact ACT Australian Technical Services

### SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Provide good ventilation- open doors and windows and use circulating fans. Appropriate gloves, masks, safety glasses and protective clothing should be worn. If product comes in contact with skin, it can be washed off with water before drying. If swallowed drink plenty of drinkable water and seek medical advice, do not induce vomiting. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.