

SuperScreed Datasheet

October 2023

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Cemcrete's **SuperScreed** is a 10mm - 20mm high strength, shrinkage compensated single pack granolithic type screed mix.

Technical Data

Type	Modified cement
Colour	Grey
Pot life	45 minutes
Initial set	60 minutes
Final cure	28 days
Working time after mix	45 minutes
Application temperature (ambient)	5°C to 30°C
Substrate temperature	5°C to 30°C
Minimum thickness applied	10mm
Maximum thickness applied	20mm
Light floor traffic after application	24 hours
Density	2.0kg/litre
Protection during application	Wind and sun barriers

Purpose

To provide a thin tough screed mix for the application of Colour Hardener and for rectifying imperfections in floor surfaces to provide a suitable surface for micro coatings, Cemcrete's CreteCote & RenoCrete, tiles, carpets and wooden flooring. **SuperScreed** is good for applications where there are height restrictions or where tiles are being lifted.

Specimen finish

A trial area should be treated on-site for the architect's approval.

Storage

SuperScreed bag mix can be stored, unopened in a dry place at temps above 5°C, for 6 months after date of invoice.

Suitable surfaces

New and old concrete surfaces that are at least 28 days old. Appropriate surface preparation is essential.

Surface preparation

Surfaces should be hard, clean and free of any contaminants like release agents, oils, waxes, curing agents, gypsum based products or anything which may impair adhesion. All major cracks and holes must be repaired with a suitable propitiatory repair mortar before applying **SuperScreed**. Any old concrete must be sanded / scabbled and rinsed with water to remove all dirt and loose particles. Any new concrete should have a wood type floated finish to improve adhesion. All new concrete work must have a moisture content of less than 5% before the placing of the screed can commence. Prime using Cemcrete's PrimerCote system before the application of **SuperScreed**.

Weather

Do not apply when temperatures are above 30°C or expected to fall below 5°C within 5 hours of application.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Mixing

Mix **SuperScreed** with sufficient water to obtain a normal screed type consistency. Hand test - take the mixed material and squeeze tightly to form a ball in the palm of your hands. The ball should retain its shape when you release the pressure and leave a slight dampness on your palm. Do not mix up more than can be used in 60 minutes.

Application (Excluding Colour Hardener)

Apply Cemcrete's PrimerCote mix onto the floor, and whilst wet spread Cemcrete's **SuperScreed** on top of the PrimerCote using a steel trowel. Stamp it down with a perforated stamper in layers of 10mm to a maximum thickness of 20mm. Ensure proper compaction and finish with a wood float. See curing section below.

Application with Colour Hardener

Apply Cemcrete's PrimerCote mix onto the floor, and whilst wet spread Cemcrete's **SuperScreed** on top of the PrimerCote using a steel trowel, then stamp it down with a perforated stamper. Ensure proper compaction and float to a wood float finish. Immediately apply Colour Hardener as per its datasheet. The finish can be steel or pan floated. Follow Colour Hardener's datasheet for application and sealing methods; however follow below for **SuperScreed** & Colour Hardener combination curing method.

Curing

Cure the floor with a fine mist spray for the 3 days following the application, to ensure limited water loss. Allow the **SuperScreed** to then air cure for a further 25 days prior to the application of CreteCote or RenoCrete of a chosen colour in accordance with its datasheet. If Colour Hardener is applied into the new **SuperScreed**, then air cure for a further 11 days.

Check for moisture levels of the final surface with a moisture meter. Moisture levels must be below 5% before the sealing process can commence.

Coverage

SuperScreed will cover approximately 0.9m² when applied at 10mm thick.

Packaging

Supplied in 40kg bags.

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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