

SuperScreed Datasheet

February 2017

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Cemcrete's **SuperScreed** is an 8mm-15mm 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 | 60 minutes |
| Application temperature (ambient) | 5°C-30°C |
| Substrate temperature | 5°C-30°C |
| Minimum thickness applied | 8mm |
| 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, tiles, carpets and wooden flooring.

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 3 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 PrimeCote system before the application of the **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 3 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

Apply Cemcrete's PrimeCote mix onto the floor, and whilst wet spread Cemcrete's **SuperScreed** on top of the primer using a steel trowel. Stamp it down with a perforated stamper in layers of 5mm to a maximum thickness of 15mm. Ensure proper compaction and finish with a wood float. See curing section.

Applying Colour Hardener over SuperScreed

Apply Cemcrete's PrimeCote mix onto the floor, and whilst wet spread Cemcrete's **SuperScreed** on top of the primer using a steel trowel, 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. See curing section. Follow Colour Hardener's datasheet for proper curing and sealing methods.

Curing

Cure the floor with a fine mist spray for the next 3 days to ensure limited water loss. After this, you may apply CreteCote or FloorCrete of a chosen colour in accordance with its datasheet. If Colour Hardener was applied, then cure & seal in accordance with its datasheet.

Coverage

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

Packaging

Supplied in 40kg polypropylene bags.

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