

DecoCrete Datasheet

November 2017

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A coloured, cement-based material specifically formulated to be plastered to excessive thicknesses but does not slide or shrink and dries rock-hard. Slow setting gives plenty of time to work and manipulate the material in-situ.

Technical Data

Type	Modified cement based hydrophobic plaster
Colour	See website: www.cemcrete.co.za
Pot life	45 minutes
Working time after mixing	Up to 4 hours depending on weather and substrate conditions
Initial set	± 5 to 6 hours depending on relative humidity
Mixing water temperature	Best between 10°C and 30°C
Application temperature (ambient)	5°C to 30°C
Substrate temperature	5°C to 30°C
Min application thickness	5mm
Max application thickness	30mm per layer
Density	1.5kg/lit
Protection during application	Use of wind and sun barriers

Purpose

To provide a cost-effective, coloured, textured shaping system for the artistic creation of rock finishes for use on buildings and in hard landscape designs. Although essentially for rock art **DecoCrete** also has other applications for artists with a 'bent' for reproducing natural finishes such as floating rocks for koi ponds, the cladding of garden pots and pillars, as well as the creation of coping tiles for pools etc. Its hydrophobic qualities make it useful for use in, around or near water features or for decorating the plinth areas of buildings.

Types

One type only, but used in conjunction with different colours of Release Agent - Pigmented or ColourCem in contrasting colours to highlight and create natural looking rock-work.

Applications

Decoration of buildings both internally and externally, stone plinths, flagstones, rock art in many forms etc.

Colours

Available in a range of earthy colours.

Benefits

- Abrasive resistance and coloured throughout
- No risk of colour being rubbed off or abraded
- No need to repaint
- UV and alkali proof
- Hydrophobic
- Can be placed to depths ranging between 5mm and 30mm without per layer without slumping or shrinking
- Slow setting gives plenty of time to work and manipulate the material in-situ
- Can add clean washed river sand to extend the product and achieve a different texture

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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Specimen finish

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

Weather

Do not apply when rain or freezing conditions are expected within 8 hours of application. Cover during hot, dry weather to avoid premature drying which reduces the time available to work and shape the material. Ideal temperature is between 5°C and 30°C.

Site work

Storage

Unopened bags can be stored on slats in a dry cool shed away from direct sunlight for 6 months after date of invoice.

Masking

Mask all areas where there is a risk of splashing and staining and where straight edges are required.

Suitable Surfaces

Wood floated plaster, concrete, fibre cement board, new dry walling, and polystyrene coated with or without Cemcrete's EIFS BaseCoat. Surfaces should be hard (no crumbling or cracking, and have good compressive strength). They should also be clean, free of contaminants, or laitance of any sort which may impair bond.

Mixing

Mix with clean water only to a stiff paste with little or no slump. When application is to be thicker than 10mm, the material can be pre-mixed with clean river sand to add bulk and texture. The maximum would be 1 volume **DecoCrete** to half a volume river sand.

Application

Area to be marked and masked as required. Apply mixed **DecoCrete** firmly with a steel trowel as a first coat. Apply further thicknesses where required. Cut back and shape to rock formation using a steel trowel or spatula. Dab with a firm paintbrush, moist sponge or moist hessian cloth to texture depending on the texture and profile required. Dust various colours of **DecoCrete** or ColourCem in the required colours onto still damp surface and brush in or dab to obtain the desired effect. Latex texture mats may be used in conjunction with Release Agent - Pigmented to imprint the surface.

Cleaning

For intermittent use keep brushes immersed in water. Wash all equipment and body parts thoroughly with clean water.

Curing

Cure by wetting with clean water 3 times on the day following the day of application to ensure hardness and durability. If Release Agent - Pigmented is used, the surface must be washed down after 72 hours curing time and subsequently cured by wetting with clean water.

Sealing

Surface to be sealed with 1 or 2 coats of Cemcrete Colour Hardener Sealer in accordance with its datasheet.

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Safety

Gloves, dust masks and suitable eye protection is a pre requisite to the mixing and application of **DecoCrete**.

- Skin contact: Wash thoroughly with soap and water
- Eye contact: Flush immediately with water for 10 – 15 minutes and contact a physician
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician
- Not for internal consumption

Coverage

40kg of **DecoCrete** will cover approximately 1m² if applied 10mm thick.

Packaging

Available 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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