

# ColourCem Datasheet

March 2024

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**ColourCem** is a pigmented mineral binder that is used to create decorative plasters, screeds, concrete and mortar as well as further enhance the Cemcrete range of products.

## Technical Data

Type	Pigmented mineral binder
Colour	See website <a href="http://www.cemcrete.co.za">www.cemcrete.co.za</a> for colour options
Recommended batching	Enough for 45 minutes
Initial set & final set	Dependant on total mix
Compressive strength	Dependant on total mix
Suggested mixing water temperature	10°C to 25°C
Suggested application temperature (ambient)	6°C to 25°C
Suggested substrate temperature	6°C to 25°C
Density	1.515kg/litre
Volume/ 50kg bag	± 33 litres
Protection during application	Wind and sun barriers (no direct contact with material)

## Purpose

To achieve integrally pigmented decorative concrete, plaster, mortar or pre-cast concrete. Care should be taken in the choice of aggregates, shuttering and general continuity of work. Tests should be done to ensure desired results. **ColourCem** should not be used in any structural capacity. Contact our Technical Department for further information.

## Mixing

**ColourCem** to be used as a percentage of the total cement required for a specific mix ranging from 5% to 40%. For example, if 20% **ColourCem** is to be used, the cement requirement would be 20% **ColourCem** and 80% cement. Colours will not get significantly stronger above 40% **ColourCem** added, thus colours will be of a pastel nature. Trials are recommended to determine the required final colour. To ensure quality control, it is important to weigh out the **ColourCem** and cement using a scale so as to reduce the chance of colour variations. All raw materials should be mixed in their dry powder form and should be done prior to the commencement of the project, and stored in plastic drums.

## Applications

Pigmented screeds, concrete interlocking paving stones, paving slabs, terrazzo, pigmented plaster, mortar, pointing mortars as well as Cemcrete's Countertop Mix, DecoCrete, TexCrete, TexCrete Lite & SculptCrete.

## Note

Concrete and pigmented plasters are susceptible to uneven colour unless precautions, such as insulating liners in the shuttering or waterproof scratch-coats for plaster, are taken. The colour of the sand will also influence the colour of the plaster or concrete. **ColourCem** is a quality product, but its correct use involves care and dedication on-site or in the precast factory.

Cemcrete provides a comprehensive technical service based on over 5 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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## Site Work

### Storage

Can be stored in a dry shed off the floor for 3 months from date of invoice.

### Curing

Completed work should be properly cured according to the selected product chosen for colouring. Eg: plaster is cured as per plaster curing requirements.

### Specimen finish

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

### Packaging

Available in 1kg & 25kg drums.

### Safety

The use of protective clothing, goggles and dust masks is recommended even though **ColourCem** is non-toxic.

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

### 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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