

ColourCem Datasheet

November 2017

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ColourCem is a milled blend of white or grey Portland cement and selected compatible pigments. Strengths are similar to those of Portland cement, but if dark shades are required, up to 10% more ColourCem should be used for a given strength.

Technical Data

Type	Based on OPC 52,5N SANS 50197-1
Colour	See website www.cemcrete.co.za for colour options
Recommended batching	Enough for 45 minutes
Initial set	125 minutes
Final set	2.5 hours
Specific area	The Blaine fineness is $\pm 400\text{m}^2/\text{kg}$
Compressive strength	At 2 days: 28 MPa At 28 days: ± 58 MPa
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 coloured 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. Contact our Technical Department for further information.

Applications

Concrete blocks, concrete interlocking paving stones, paving slabs, terrazzo, coloured plaster, coloured mortar, pointing mortars.

Note

Concrete and coloured 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 proper use involves care and dedication on-site or in the precast factory.

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.

Specimen finish

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

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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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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