

# PoolCrete Datasheet

July 2021

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A scientifically formulated mixture of white marble and special additives. It is supplied in dry powder form for mixing on-site with clean water.

## Technical Data

<b>Type</b>	Ready to use waterproof pool render
<b>Colour</b>	Available in 15 colours. See <a href="http://www.cemcrete.co.za">www.cemcrete.co.za</a>
<b>Pot life</b>	20 to 30 minutes
<b>Working time for mixing</b>	60 minutes to apply to substrate
<b>Initial set</b>	90 minutes
<b>Filling of pool</b>	See PoolCrete Start-Up Guide
<b>Mixing water temperature</b>	6°C to 25°C
<b>Application temperature</b>	6°C to 25°C
<b>Substrate temperature</b>	6°C to 25°C
<b>Application thickness</b>	6mm
<b>Density</b>	1 300g/litre
<b>Protection during application</b>	Use wind and sun barriers. No contact with product

## Purpose

To provide a 6mm thick smooth plaster which becomes a very hard integral part of the pool structure. It is applied directly to the gunite, hand-packed concrete shell or scratch coat plaster.

## Application

Recommended for the interior plastering of walls and floors of swimming pools. Not for use above the water level.

## Types

Available in standard and superior grades in a range of attractive colours.

## Specifying

Apply 6mm of Cemcrete **PoolCrete** to clean, hard, rough cement surfaces and fill pool with water the next day. All in accordance with the manufacturer's instructions.

## Site Work

## Storage

Can be stored in a dry shed off the floor for 6 months from date of purchase.

## Weather

Do not apply when there is a risk of rain within 8 hours. The floor of the pool should be protected from frost/freezing until it is covered with water.

## Suitable surfaces (very NB!)

Gunite, hand-packed concrete or scratch coat cement plaster that has cured for 28 days. Must not contain blast furnace slag as this could cause mottling of the **PoolCrete**.

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## Surface preparation

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All surfaces should be true in plane, hard and slightly rough (i.e. scratch plaster type finish) to form a mechanical key. Dirty surfaces, particularly on the floor, should be acid-washed and vigorously brushed and flushed with plenty of clean water. It is recommended for new or old pools to be slushed with a FlexBond / PoolCrete Primer slurry the day before application to help prevent ghosting slagment stains migrating through the plaster. Please refer to the PoolCrete Primer datasheet for details.

## Mixing

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- Mix **PoolCrete** with clean water to a stiff workable plaster mix. The mixed plaster must look almost too stiff.
- Maximum water content per 40kgs of **PoolCrete** must not exceed 6 litres.
- It is preferable to mix in suitably sized plastic drums using a mortar mixer or hand mixed on a board or tarpaulin outside the pool. Mixing inside the pool increases the risk of plaster discolouration, separation or debonding as a result of mix water saturating the substrate prior to plastering.
- Keep mix batches as consistent as possible, DO NOT use hose pipes, water must be measured out.
- Do not add calcium chloride to coloured **PoolCrete**.

Note: Addition of FlexBond to the mixing water of **PoolCrete** improves brightness of colour and resistance to pool chemicals. Addition of 1 litre of FlexBond to 5 litres of water is sufficient for one bag of **PoolCrete**.

## Application - New pools

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Set up sun and wind barriers prior to the application of **PoolCrete** to avoid premature moisture loss and plaster shrinkage. Apply **PoolCrete** 6mm thick with flexible rounded steel trowels. Use a 6mm gauge to check thickness, (a thin nail marked at 6mm with masking tape can be used). Allow to stiffen for approximately 30 minutes, depending on the weather, and re-trowel. When almost set, final trowelling should take place. Final trowelling should be done using a damp, clean trowel. To avoid streaking, do not splash or spray water onto the surface. Commence at the deep end, which should have no standing water. All plastering must be completed in one day to avoid "dry" joints. Ensure that no dirt is trafficked into the pool when plastering. All in accordance with the manufacturer's instructions.

## Application - Old pools

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Set up sun and wind barriers prior to the application of **PoolCrete** to avoid premature moisture loss and plaster shrinkage. The old plaster must be completely removed back to the cement shell. Prime surface as mentioned under "Surface preparation" above. Do not mix in the bottom of the pool. Do not wet slurry coat before applying **PoolCrete**. All in accordance with the manufacturer's instructions.

## Curing

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Have the calcium content of the source water checked prior to filling the pool. Filling of the pool can commence  $\pm$  6 - 8 hours after plastering has been completed (where plastering has been completed early afternoon) depending on ambient temperatures and relative humidity. Where this is not the case and the plastering is completed late afternoon or early evening it is recommended that the filling process commences the morning following the application of the plaster. Commence filling the pool from the deep end. We recommend the use of a deflector on the end of the hosepipe to prevent damage to the surface. Fill the pool in one go to avoid a water ring from forming. Damp down the exposed **PoolCrete** every hour from top to bottom to prevent premature drying. Protect the plaster from staining (particularly from mud splashes) until the pool is filled. Do not introduce an automatic cleaner to the pool for 3 weeks. During this period use the pool brush only. See the detailed Start-Up Guide available on [www.cemcrete.co.za](http://www.cemcrete.co.za).

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## Coverage

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PoolCrete Primer	1m <sup>2</sup> per kg mixed slurry
<b>PoolCrete</b>	Approximately 2m <sup>2</sup> per 40kg bag applied at 6mm thick

## Packaging

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PoolCrete Primer	20kg bags
FlexBond	1, 5 & 20 litre containers
<b>PoolCrete</b>	40kg bags

## Safety

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

## Manufacturer's Warranty

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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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