

PoolCrete Datasheet

February 2017

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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.

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."

Technical Data

Type	Ready to use pool render
Colour	www.cemcrete.co.za
Pot life	20-30 minutes
Working time for mixing	20-30 minutes to apply to substrate
Initial set	1 hour
Filling of pool	See PoolCrete Start-Up Guide
Mixing water temperature	6°C-25°C
Application Temperature	6°C-25°C
Substrate Temperature	6°C-25°C
Application thickness	6mm
Density	1 300g/litre
Protection during application	Use wind and sun barriers. No contact with product

Site Work

Storage

Can be stored in a dry shed off the floor for 4 months after date of invoice.

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.

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Suitable surfaces (very NB!)

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

Surface preparation

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 and **PoolCrete/PoolCrete Primer** the day before application to help prevent slagment stains coming through the plaster as well as ghosting.

Mixing

- 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 to 7 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 discoloration, 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**.

Application - New pools

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. All in accordance with the manufacturer's instructions ensure that no dirt is trafficked into the pool when plastering.

Application - Old pools

Applying 6mm of **PoolCrete** on top of old pool plaster. The old plaster must be completely removed back to the cement shell.

When the surface has been prepared as above, apply a slush coat comprising PoolCrete Primer in a solution of 1 volume FlexBond and 4 volumes water.

Mix slush well and stipple using a block brush, soft carpet brush or broom. Allow slurry coat to harden overnight and apply **PoolCrete** in the normal way 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

Commence filling the pool from the deep end on the day following the add use of a diffuser day of application. Damp down exposed **PoolCrete** every hour to prevent premature drying. Protect the plaster from staining (particularly from mud splashes) until 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.

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Coverage

PoolCrete Primer	1m ² per kg mixed slurry
PoolCrete	Approximately 2m ² per 40kg bag

Packaging

PoolCrete Primer	20kg non-returnable paper bags
FlexBond	1, 5 and 20 litre plastic drums
PoolCrete	40kg non-returnable paper bags

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Johannesburg Head Office

8 Telford Street
Industria
011 474 2415

Johannesburg Showroom

227 Jan Smuts Avenue
Parktown North
011 447 3149

Centurion Showroom & Warehouse

15 Coachmen's Park
26 Jakaranda Street, Centurion
012 653 6808

Cape Town Showroom & Warehouse

Eagle Park, cnr Bosmansdam &
Omuramba Roads, Montague Gardens
021 555 1034