

PoolCrete Algae Resistant Datasheet

April 2013

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A scientifically formulated mixture of white cement, white marble and special additives. It is supplied in dry powder form for mixing on-site with clean water. **PoolCrete AR** results in 80% reduced algae growth thus less maintenance.

Purpose

To provide a 6mm thick smooth plaster that resists algae growth. The plaster 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 White, Sky Blue and Charcoal. Other colours on order only (min quantity 30 bags).

Specifying

"Apply 6mm of Cemcrete **PoolCrete AR** 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 3 months.

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. Must not contain blast furnace slag as this could cause mottling of the **PoolCrete AR**.

Surface preparation

All surfaces should be true in plane, hard and slightly rough 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.

Mixing

Mix **PoolCrete AR** with clean water (approximately 6 to 7 litres per 40kg bag) to a stiff workable plaster mix. The mixed plaster must look almost too stiff. Do NOT add calcium chloride to coloured **PoolCrete AR**.

Cemcrete provides a comprehensive technical service based on over 3 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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Application

New pools

Set up sun and wind barriers prior to the application of **PoolCrete AR** to avoid premature moisture loss and plaster shrinkage. Apply **PoolCrete AR** 6mm thick with flexible rounded steel trowels. 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.

Old pools

Applying 6mm of **PoolCrete AR** on top of old pool plaster. The old plaster can either be completely removed back to the cement shell, or, if hard and firm, the surface can be chipped every 50mm about 6mm deep and 25mm in diameter. After chipping the entire surface should be acid-washed using a solution of 1 part hydrochloric acid and 3 parts water followed by a vigorous wire brushing and flushing with clean water.

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 onto the old plaster using a block brush, soft carpet brush or broom. Allow slurry coat to harden overnight and apply **PoolCrete AR** in the normal way. If mixing is done on the bottom of the pool, care should be taken not to remove the slurry coat. Do not wet slurry coat before applying **PoolCrete AR**. All in accordance with the manufacturer's instructions.

Curing

Commence filling the pool from the deep end on the day following the day of application. Damp down exposed **PoolCrete AR** 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.

Coverage

PoolCrete Primer	1m ² / kg mixed slurry.
PoolCrete AR	approximately 2m ² per 40kg bag.

Packaging

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

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