

Pool Quartz Datasheet

March 2026

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Cemcrete's **Pool Quartz** is a high-performance quartz pool finish formulated with selected quartz aggregates, performance-enhancing mineral additives, and UV stable pigments. Supplied as a dry powder blend, **Pool Quartz** is mixed on site with clean water, and then acid-washed, to produce a durable, textured and aesthetically refined pool surface. Unlike conventional pool finishes, **Pool Quartz** is specially engineered for use in both permanently submerged and intermittently wet and dry areas. This makes it particularly suitable for beach-entry (zero-entry) pools, steps, ledges, and adjacent pool surrounds where the finish may be exposed above the waterline.

Technical Data

Type	Ready to use waterproof pool render
Pot life	20 to 30 minutes
Working time for mixing	30 minutes to apply to substrate
Initial set	90 minutes
Filling of pool	See Pool Quartz Start-Up Guide
Mixing water temperature	6°C to 25°C
Application temperature	6°C to 25°C
Substrate temperature	6°C to 25°C
Application thickness	6mm
Density	1 300g / litre
Protection during application	Use wind and sun barriers. No contact with product

Purpose

To provide a 6mm thick, exposed quartz plaster pool finish that cures to form a dense, durable surface integrally bonded to the underlying concrete structure. **Pool Quartz** is applied directly to properly prepared gunite, hand-packed concrete shells, or suitably keyed scratch coat plaster substrates.

Benefits

- Suitable for submerged and non-submerged areas
- Slip-resistant texture
- UV Stable
- Seamless visual transition from pool to deck
- Suitable for residential and commercial applications

Uses

- Swimming pool interiors
- Beach-entry / zero-entry pools
- Pool steps, ledges, surrounds and coping areas
- Wet decks
- Water features

Specifying

Apply Cemcrete's **Pool Quartz** at 6mm to clean, hard, suitably roughened cementitious substrates, pre-primed with PoolCrete Primer, and fill the pool with water immediately following the acid washing and neutralization processes. All in accordance with the manufacturer's instructions.

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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Storage and Shelf Life

The product retains its properties for nine (9) months from the date of invoice, provided it is correctly transported and stored. Proper storage requires protection from moisture, direct sunlight, and extreme temperatures. Bags must be kept off cold or damp floors and shielded from the elements to prevent deterioration.

Weather

- Do not apply if temperatures are below 10°C or exceeds 30°C.
- Do not apply to exterior surfaces if any form of precipitation (including rain, dew, snow, or condensation, etc) is expected within 12 hours of application.

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 or other cement extenders, as this could cause mottling of the **Pool Quartz**.

Surface preparation

All surfaces must be true to plane, hard, and slightly rough (i.e. scratch plaster type finish) to provide an adequate mechanical key. Dirty or contaminated surfaces, particularly on horizontal planes, should be acid washed, vigorously brushed, and then flushed thoroughly with plenty of clean water and Sodium Bicarbonate diluted 1:10 with water so as to neutralize any residual acid. It is recommended for new or old pools that all surfaces (the pool interior, as well as any exterior / surrounding areas that will receive the **Pool Quartz**) be slushed with a FlexBond and PoolCrete Primer slurry, the day before the **Pool Quartz** application to help prevent ghosting or slag-related staining migrating through the finish (see Application below).

Mixing

- Mix **Pool Quartz** with clean water to a stiff workable plaster consistency. The mix should appear almost too stiff.
- Maximum water content per 40kgs of **Pool Quartz** must not exceed 5 litres.
- 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 de-bonding as a result of mix water saturating the substrate prior to plastering.
- Keep mix batches as consistent as possible. DO NOT use hose pipes to add water; water must be measured out.
- Do not add calcium chloride to **Pool Quartz**.

Application

Set up sun and wind barriers prior to the application of **Pool Quartz** to avoid premature moisture loss and plaster shrinkage.

For old pools, completely remove all the old / existing plaster back to the original cement shell.

Apply a slush coat comprising of PoolCrete Primer in a solution of 1 volume FlexBond and 2 volumes water. Mix slurry well and stipple using a block brush, soft carpet brush or broom. Allow slurry coat to harden overnight. Onto all surfaces (both pool interior, beach entry or outside the pool that will receive **Pool Quartz**) apply a single coat of Cemcrete's Concrete Primer onto the PoolCrete Primer and, when tacky, apply the **Pool Quartz**. Apply **Pool Quartz** 6mm thick with flexible rounded steel trowels. Use a 6mm gauge to check thickness, (eg: a thin nail marked at 6mm with masking tape can be used). Ensure **Pool Quartz** is smooth trowelled to its final finish during initial trowelling. To avoid streaking, do not splash or spray water onto the surface. Commence plastering at the deep end, which should have no standing water. All plastering must be completed in one day, in one continuous application, to avoid "dry" joints. Ensure that no dirt is trafficked into the pool when plastering. All in accordance with the manufacturer's instructions.

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Acid washing

Once the **Pool Quartz** has hardened sufficiently enough to walk on (at least the following day), the acid washing and neutralizing processes may commence. Dilute 1 part acid with 3 parts water. Always add the acid to the water and never the other way around. Apply the acid solution to the pre-dampened **Pool Quartz** using a sprayer or brush, and agitate using a soft-bristled broom to achieve the desired quartz exposure. Once the required finish is achieved, rinse thoroughly with clean water. A second rinse incorporating sodium bicarbonate must be carried out to neutralize residual acid prior to safe disposal from the pool. Immediately after the neutralizing rinse and removal of excess water / solution, the pool must be filled without delay.

Curing

Have the calcium content of the source water checked prior to filling the pool. Filling of the pool can commence immediately after the neutralizing stage of the application. 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 continuous operation to avoid a water ring from forming. While filling, damp down the exposed **Pool Quartz** 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. Refer to the detailed Start-Up Guide available at www.cemcrete.co.za.

Coverage

PoolCrete Primer	1m ² per kg mixed slurry
Pool Quartz	Approximately 2m ² per 40kg bag applied at 6mm thick

Packaging

PoolCrete Primer	20kg bags
FlexBond for primer	1, 5 & 20 litre containers
Pool Quartz	40kg bags

Safety

- Gloves, dust masks and suitable eye protection is a pre-requisite to the mixing and application of **Pool Quartz**.
- 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.
- For the acid wash organic masks are required along with gloves, eye / face protection and rain suits.

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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