

- Visual pool water clarity
- Array of Richlight Reflective Colors
- Low Maintenance
- Strong Bond

- Salt Water Resistant
- Easy Application
- Pool Interior Finish
- Slip Resistant

DESCRIPTION

Beadcrete is a revolutionary pool interior finish combining colorfast mineral quartz and glass bead spheres to create a reflective mirror underneath the water. The result is unmatched pool clarity and custom colours that give you ultimate design control.

USE:

- This finish can be used for a variety of pool applications. You can render your pool surface, resurface your pool or restore your pool to its former glory with Beadcrete.
- Durable reinforced swimming pool finish
- Ideal for all types of water features including spas, ponds and more.
- Perfect for rendering concrete.

FIELD OF APPLICATION:

- Maintain pool water clarity through light reflective beads or quartz.
- Extremely low maintenance.
- Resists algae growth and improves pool hygiene.
- Its rock-solid durable surface has a 20-year life expectancy.
- Smooth anti-slip surface for improved pool safety.
- Can be used for new pools and renovations.
- A colour range that is designed to complement any pool



Beadcrete

Superior Pool Finish

Composition	Special cements, binding, fine aggregates, glass beads and other properties.
Compression	1day- 7mpa, 7 days- 14 mpa, 23 days- 28 mpa
Thickness	at least 8 mm
Abrasion Resistance	
Slip Resistance	AS/NZS 4536:2000 to satisfy the requirements of HE197-net pendulum
Consumption	1.25 m ² /20kg bag
Mixing Ratio	2.5-3.5 liters of clear water/ 20kg bag

SURFACE PREPARATION

Thorough surface preparation is a component of proper and workmanlike outcome.

Important preparation procedures are:

1. New concrete pool shells must be cured for atleast 14 days then properly cleaned and prepared before application of the product.
If the pool is a renovation, then shell must be thoroughly cleaned - fiberglass or paint must be completely removed and the surface must be free of any loose materials or contaminants. Drummy or deteriorated areas must be competently repaired so as not to disrupt the integrity and durability of the finished work.
2. All surfaces must be primed before application of the product. Highly porous surfaces may require two primer coats. Use colorcrete scatchcoat.

IMPORTANT PRECAUTIONARY INFORMATION

- To promote uniform aesthetic finish and reduce risk of minor variations in shading induced by prevailing weather conditions and/or drying rates and coverage between mixed batches - apply product evenly and consistently to the vertical perimeter surfaces and steps before installing pool floor.
- Maintain clean, safe work area and prevent contaminants and/or rain from entering the pool during product application and until hardset has occurred.
This may require use of waterproof fabric covers and appropriate barrier material installed to pool surroundings.
- Use shade covers on days of high ambient temperature and low humidity and particularly if accompanied with high wind conditions may or will assist in the control of product application and reduce risk of rapid moisture loss and drying shrinkage.
- Do not apply Beadcrete to dry and or improperly prepared concrete pool shells. Reduced bond strength and serviceability may or will result.

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PRECAUTION & LIMITATIONS

The Product cannot be installed in wet weather or afterwards for a period at least 48 hours. Precautions must be taken when ambient temperature is outside the range 5°C to 30°C. High ambient temperature when combined with strong wind and low humidity risks uncontrolled drying shrinkage. Until hard-set has occurred freshly finished surface must be protected from rain or damage from other source. The product is recommended for use only by professional tradesperson in accordance with the manufacturer's approved method and compliance with MSDS & PPE advice for safe use. The pool needs to be fully operational immediately following product application and final detailing. The finished coating is exposed to weather elements to preclude colour variance from the effect of UV light and wetting/drying cycles.

PRODUCT APPLICATION PROCEDURE

MIXING INSTRUCTION PROCEDURE

- Mechanical Mixer must be clean and free of contaminants.
- Add only clean water to the product in sufficient quantity to achieve a consistent workable mix.
- Maximum water content per 20-kgs of product must not exceed 2.5-3.5 liters.

PRODUCT PLACEMENT SUMMARISED

Primer Coat: Dampen the pool shell with mist spray of clean water. Use CONCREATE scratch coat pool interior in accordance with recognised scratch coat method.

Finish Coat: Apply by traditional trowel- on render and finishing techniques; the finish coat must be uniform thickness of at least 8 mm to achieve a consistent, even and durable finish. Maintain a "wet edge" when joining walls to floor as much as possible. Cure the finished work in accordance with recognised method to assist in control of drying shrinkage.

Final Detailing- Acid Washing: The finish pool interior must achieved hard set to the point where normal acid processes will not damage or weaken the surface.

Acid Washing procedures should be in accordance with recognised method and only attempted by constructors experience in the proper technique and safe use of relevant acid solutions. Environmental protection must be observed all times. Acid solution mix ratio might normally be diluted at the rate of one (1) part Hydrochloric Acid mixed with 10-15 parts clean water.

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Thoroughly rinse surface after acid washing. Ensure pool interior is completely clean and the exposed finish is uniform and consistent throughout the entire work.

PACKAGING & STORAGE

Beadcrete is packaged in 20kgs bags and must be stored undercover, above ground and protected from water damage. Shelf life is 12 months from the date of manufacturer's subject to climatic conditions.

IMPORTANT NOTICE

The information provided in this publication is for general guidance only. The publisher for its use accept no liability. Workmanship and product application in accordance with precautions and limitations of use is the responsibility of the tradesperson contracted to carry out the work.

POOL CARE GUIDE

STAR-UP PROCEDURE

Note: Based on typical pool with water capacity of 50,000 liters.

1. Fill pool recommended water capacity level. Turn on pool pump- engage "backwash" mode to wash and rinse the filter system. Ensure all pumping and filtration system is functioning in the proper manner in accordance with the manufacturer's specifications and operating instructions.
2. When the pool pump and filtration system has been checked and is operating properly, add the following chemicals:
 - 7 litres of liquid Chlorine
 - 1 litres of Hydrochloric Acid
 - 2 kilograms of Stabilizer
3. Run the pool filtration system for 24 hours.
4. Add 2 kilograms of "Buffer" after initial 24 hours pool operation.
5. Thoroughly broom the pool interior- the wait 4 to 8 hours so as to allow any sediments (e.g. dirt) in the pool water to settle - then vacuum pool interior.
6. Check the chemical balance of the pool water.

Chemistry	Recommended Level
pH	7.2-7.6
Total Alkalinity mg/L	80-120
Calcium Hardness mg/L	150 for the first 12 months of pool operation
Calcium Hardness mg/L	100-250 after 12 months of pool operation
Free Chlorine	1.5-3.0
Stabilised Pools (Cyanuric Acid)	2.5-4.0

7. After 5 days repeat broom and vacuum of the pool interior.
8. IF SALT WATER POOL- add salt (check chlorinator manufacturer's recommended quantity) after two-weeks of pool operation. DO NOT let the salt sit on the pool interior - continue to broom the salt until it is completely dissolved.
9. Allow 8 hours after salt addition to the pool - then switch on the salt chlorinator cell.
10. Pool chemistry levels should be checked and adjusted weekly for the purpose of hygiene and swimmer comfort.