

BeadCrete

October 2009

Description:

BeadCrete is a factory-blended ready to use aggregate render for use on reinforced concrete pool interiors. BeadCrete produces a significantly superior aesthetic appearance. The finish is not coarse for low risk of skin abrasions and is easily applied on new or renovated pool interiors by competent tradespersons.

Recommended use:

BeadCrete is purpose designed for application on concrete pool shell interiors. It is engineered from silica-free pure glass beads, blended aggregates and polymer modified cement technology that produces excellent durability and minimal maintenance of the finished product under normal in-service pool conditions.

Features & benefits:

- Cost competitive replacement for traditional exposed pebble finishes
- Modern – white and coloured surface aesthetic with coloured chip and reflective additives that enhance pool water appearance
- Factory blended for consistent quality
- Strong & durable – Low maintenance
- Smooth textured finish reduces risk of skin abrasion
- Easily placed and finished by competent tradespersons
- Suitable for new concrete pools & renovations

Precautions & limitations:

BeadCrete cannot be installed in wet weather or afterwards for a period of at least 48 hours.

Precautions must be taken when ambient temperature is outside the range of 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 surfaces must be protected from rain or damage from other sources. BeadCrete is recommended for use only by professional tradespersons in accordance with the manufacturer's approved method. The pool needs to be fully operational immediately following product application and final detailing. The finished coating is specifically designed to be submerged in water to maintain colour stability. Use of water-line border tiling is recommended and anywhere the finished coating is exposed to weather elements to preclude colour variance from the effects of UV light and wetting/drying cycles.

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.

Application

- Mechanical Mixers 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 20kgs of BeadCrete must not exceed 3 -4 litres.

When the surface has been prepared as above, apply a slush coat comprising Cemcrete's Pool Plaster Primer in a solution of 1 volume Flexbond and 4 volumes water. Mix slush well and stipple onto the plaster using a block brush, soft carpet brush or broom. Allow slurry coat to harden for a day and apply BeadCrete 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 BeadCrete.

Please contact Cemcrete's technical department for correct application and trowelling procedures.

Final Detailing – Acid Washing: The finished pool interior must achieve hard set to the point where normal acid washing processes will not damage or weaken the surface. Acid washing procedures should be in accordance with recognised method and only attempted by contractors experience in the proper technique and safe use of relevant acid solutions. Environmental protection must be observed at all times. Acid solution mix ratio might normally be diluted at the rate of 1 Part Hydrochloric Acid mixed with 3 -5 parts clean water.

Thoroughly rinse surfaces after acid washing. Ensure pool interior is completely clean and the exposed surface finish is uniform and consistent throughout the entire work. Re-treat and detail inconsistently finished areas if necessary. Immediately fill the pool with clean water on the satisfactory completion of the work.

Coverage

To ensure durable and uniform coverage, BeadCrete must be applied at a consistent thickness of 8mm. One 20kg bag of BeadCrete mixed with the recommended maximum water content of 3 -4 litres of clean water will cover approximately 0.9m² per 20kg. An average sized pool (9m x 4m x 1.5m) might normally require 45 – 50 (20kg) bags of product to ensure sufficient and uniform coverage.

Note: Coverage estimate is a guide only. Variation may or will occur subject to preferred water mix design, application method and finishing techniques of tradespersons, waste factors and scope of the works.

Packaging & storage:

Beadcrete is packaged in 20kg bags and must be stored undercover, above ground and protected from water damage. Shelf life is 6 – 12 months from date of manufacture subject to climatic conditions.

Please refer to our Pool Start-Up Guide for correct maintenance of your new pool.

Technical Information

Cemcrete provides a free comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology.

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