

SPECIFICATION

DESCRIPTION: Designer Pool Coatings and Designer Beadcrete is a factory-blended ready to use aggregate render for use on reinforced concrete pool interiors. The product is a cost competitive replacement for traditional exposed aggregate and 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: The product is purpose designed for application on concrete pool shell interiors. It is engineered from 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 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: The Product 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. The Product is recommended for use only by professional tradespersons 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 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: Thorough surface preparation is a component of proper and workmanlike outcomes. Important preparation procedures are:

1. New concrete pool shells must be cured for at least 14 days then properly cleaned and prepared before application of the product. If the pool is a renovation, the shell must be thoroughly cleaned – fibreglass or paint must be completely removed and the surface must be free of any loose material 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 CPA Concrete Priming Agent from Designer Pool Coatings for this purpose.

PRODUCT APPLICATION – IN BRIEF:

Mixing Instructions Summarised

- 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 product must not exceed 2.5 – 3.5 litres.

Product Placement Summarised

Primer Coat: Dampen the pool shell with a mist-spray of clean water. Use CPA 3000 Concrete Priming Agent – prime the entire

pool interior surface in accordance with recognised scratch coat method.

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

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 10 – 15 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.

Estimating Coverage – Designer Pool Coatings and Designer Beadcrete

To ensure durable and uniform coverage, the product must be applied at a consistent thickness of 8mm. One 20kg bag of Designer Pool Coatings and Designer Beadcrete product mixed with the recommended maximum water content of 2.5 – 3.5 litres of clean water will cover 1.25m² x 8mm thickness. 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.

COMPRESSIVE STRENGTH:

1 day = 7 MPa – 7 days = 14 MPa – 28 days = 28 MPa

PACKAGING & STORAGE:

Designer Pool Coatings and Designer 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.

POOL CHEMISTRY

	Recommended Level
pH	7.2 – 7.6
Total Alkalinity mg/L	80 – 120
Calcium Hardness mg/L	150 first year of operation
Calcium Hardness mg/L	100 – 250 thereafter
Free Chlorine	1.5 – 3.0
Stabilised Pools (Cyanuric Acid)	2.5 – 4.0

IMPORTANT NOTE:

The information provided in this publication is for general guidance only. The Publisher for its use accepts 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.

FOR TECHNICAL OR FURTHER INFORMATION CONTACT:

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