



DESCRIPTION: Designer Beadcrete™ is a patented exposed reflective aggregate, factory-blended, ready-to-use on reinforced concrete pool interiors. The finish produces stunning aesthetic colour and water clarity and extends the boundaries of traditional pool interiors for recreational theme and entertainment value. The texture is slip resistant but not coarse so the pool interior has very low risk of skin abrasions. Seamless installation melds to all pool designs, satisfies hygiene requirements and is readily maintained by use of standard pool maintenance equipment. The completed interior needs no special start-up procedures and is easily applied on new or renovated concrete pool interiors by competent pool render tradespersons.

RECOMMENDED USE: The product is purpose designed for submerged application on concrete pool shell interiors.

FEATURES & BENEFITS:

* Unique aesthetics and water clarity * Stunning colour range * Custom-made colours achievable * Factory blended for consistent quality * Strong & durable – Low maintenance * Flat textured finish * Low risk of skin abrasion * Easily placed and finished by competent tradespersons * Suitable for new concrete pools & renovations

PRECAUTIONS & LIMITATIONS: The Product is limited to use only on concrete pool shells. Refer to Designer Pool Coatings 'Application Guide' for precautionary installation advice. Use only by professional tradespersons is recommended in accordance with the manufacturer's approved installation method and advice for safe use. The pool needs to be fully operational immediately following product application and final detailing. Designer Beadcrete™ is specifically designed to be submerged in water. Use of water-line border tiling is recommended and anywhere the finished coating is exposed to wetting and drying cycles. Use of waterproof membranes for specific projects must be product compatible. Avoid direct sunlight during application – use of shade-cloth or tarpaulins will assist in the control of cracking induced by rapid drying shrinkage and / or temperature change.

SURFACE PREPARATION: Thorough surface preparation is a component of proper and workmanlike outcomes. Refer to Designer Pool Coatings 'Application Guide' for recommended method. Important preparation procedures are:

1. New concrete pool shells must be cured for at least 14 days, properly cleaned and prepared before application of the product. If the pool is a renovation, the shell must be thoroughly cleaned – fibreglass or paint completely removed and the surface free of any loose material or contaminants. Drummy or deteriorated areas must be competently removed and reinstated using Designer Concrete Coatings CRM 12 Concrete Repair Mortar or equivalent patch & repair mortar so as to ensure the integrity and durability of the finished work.
2. Renovated surfaces must be mechanically textured and primed before application of the Product. Highly porous surfaces may require two primer coats. Use CPA 3000 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 20kg of product must not exceed 2.5 – 3.5 litres.

Product Placement Summarised

Primer Coat: Dampen only the pool shell with a mist-spray of clean water. Do not saturate. 'Ponding' must not occur. Apply CPA 3000 Concrete Priming Agent using recognised scratch-coat method. The primer coat must be applied on pool renovations – new pool shells discretionary.

SPECIFICATION

Initial Finish Coat: Dampen surface only. Do not saturate or allow 'ponding' to occur. Use scratch-coat method and apply an initial coat approximately 1mm to 2mm thickness to promote adhesion.

Finish Coat: Apply rendered 'Finish Coat' of uniform thickness of at least 8mm to 10mm – including Initial Coat thickness & Primer Coat thickness if the surface is primed. Trowelling should include continuous 'tamping' and at least 3 to 4 passes to ensure proper compaction. The final finish must achieve a smooth, flat surface. 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.

Refer to Designer Pool Coatings 'Application Guide' for recognised acid washing methods and final detailing procedures to complete the work.

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. Use recommended Start-Up procedures.

Estimating Coverage – Designer Beadcrete™

The product must be applied at a consistent thickness of 8mm to 10mm including Initial Finish Coat thickness and the thickness of the Primer Coat if used. One 20kg bag of Designer Beadcrete™ 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 55 to 60 (20kg) bags of product to ensure proper installation. Coverage of less than 8mm thickness will void warranty. **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 / SLIP RESISTANCE

1 day = 7 MPa – 7 days = 14 MPa – 28 days = 28 MPa
AS/NZS 4586:2000 / HE197:1999 – Class w (Low)

PACKAGING & STORAGE:

Designer Beadcrete™ 20kg bags must be stored undercover, above ground and protected from water damage. Shelf life is 3 – 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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