

# Evacrystal

## exposed aggregate finish plaster

### Description & Uses:

Evacrystal's main purpose is for the application onto concrete pool shell interiors. It is engineered from quality glass beads in many vibrant colours, smooth ultra-white marble dust, combined with advanced polymer technology and low levels of quality non-fading pigments that produces excellent durability and minimal maintenance of the finished product under normal in-service pool conditions.

Evacrystal produces a significantly superior aesthetic appearance as the asymmetrical shape of the glass beads catches the natural sunlight giving your pool a spectacular sparkle and shimmer.

Evacrystal adds beautiful elegance to any pool design but is best for enhancing the visual effect of contemporary or modern pool environments. The finish is not coarse for low risk of skin abrasions and is easily applied on new or renovated pool interiors by competent tradespersons.

### Benefits of using Evacrystal:

Evacrystal provides a superiorly tough and smooth textured algae resistant finish that significantly inhibits the growth of black algae on the surface of the pool.

- Quality assured raw materials - ensures exceptional and consistent quality - backed by superior technical support.
- Evacrystal aggregate finish will not fade over time.
- 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, etch & stain resistant - Low maintenance
- Smooth textured finish reduces risk of skin abrasion
- Easily placed and finished by competent tradespersons
- Suitable for new concrete pools & renovations

### 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 brushed and flushed with plenty of clean water.

Surfaces should be clean, hard and dry at time of application.

### Precautions & limitations:

Evacrystal 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. Evacrystal 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 waterline 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 level, 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.

### Mixing & Application:

- Mix Evacrystal with clean water (approximately 3 to 3.5 liters per 20kg bag) to a stiff workable plaster mix. The mixed plaster must look almost too stiff.
- Do not add any foreign matter to Evacrystal.
- Mechanical Mixers must be clean and free of contaminants.
- When the surface has been prepared as above, apply a slush coat comprising 40kg Evamarble : 10lt Flexicem.
- 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 Evacrystal in the normal way.

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- 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 Evacrystal. Please contact Evachem'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.
- Retreat 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, Evacrystal must be applied at a consistent thickness of 8mm.
- One 20kg bag of Evacrystal mixed with the recommended maximum water content of 3 – 3.5 litres of clean water will cover approximately 0.9m<sup>2</sup> 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:**

Evacrystal is packaged in 20kg bags and must be stored undercover, above ground and protected from water damage.

**Shelf life:**

Approx. 6 – 12 months from date of manufacture

**Environment:**

Always recycle when able to.

Do not put materials in drains or waterways.

**Safety:**

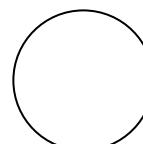
Contains cement, which is alkaline when wet and can cause skin irritation.

Safety should always be a priority when working with materials and tools.

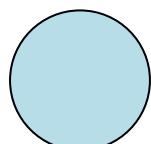
Do not put materials in drains or waterways.

**Colours:**

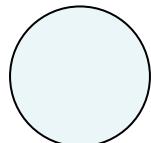
Available in 5 standard colours



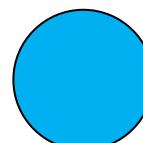
White



Ice white



Sky blue



Ocean blue

\* These colour representations are as accurate as the printing process permits. It is advisable to view an actual product sample before a final choice is made.

**Technical Information:**

We provide free comprehensive technical back-up service on all of our products and we guarantee that our products will comply with the technical properties detailed in their specific Technical Data Sheets issued by ourselves.

To the best of our knowledge and belief, this information is true and accurate. As the conditions of use and any labour involved are beyond our control, the end-user must satisfy himself by prior testing that the product is suitable for his specific application.

Products are sold subject to our Standard Conditions of Sale.