# Durex® Pool Marble

## Decorative Cementitious Pool Plaster

**Description**

Durex® Pool Marble is an acrylic-modified cementitious multiple-coat system as well as a heavy-duty maintenance coating which provides excellent durability and safety protection to many types of surfaces in any type of environment, with particularly exceptional protection for interior-finish concrete in submerged surfaces under water.

**Uses**

Some of the areas where Durex® Pool Marble can be used are: fishing concrete, swimming pool interiors, protection against chlorine, water fountains and any surface in permanent contact with water. Excellent for residential and commercial applications.

**Features**

- Specially designed for submerged surfaces
- Safe anti-slip finish
- Re-coatable and repairable
- Finish gains in strength as it is submerged
- Low dirt pick-up
- Easy to clean
- Can be acid washed for periodic thorough pool cleaning
- Excellent resistance to chlorine

**TECHNICAL DATA**

| PHYSICAL PROPERTIES | |
|---|---|
| **Appearance** | White Cementitious plaster base |
| **Toxicity** | CAS Registry No. 65997-15-1 (contains Portland Cement) |
| **Density** | 1290 kg/m$^3$ |
| **Bulk Pot Life** | 1 hr to 2 hrs (depending on ambient conditions and type of polymer used) |
| **Coverage** | Average yield: 19-22 SF @ 3/8" – ½" (1.8 m$^2$ per bag @ 10 – 13 mm)<br>**Coverage will vary according to the thickness required to straighten imperfections in the concrete** |

| PERFORMANCE PROPERTIES | METHOD | RESULT |
|---|---|---|
| **Compressive Strength** | ASTM C109 | 43.10 MPa (6250 psi) |
| **Flexural Strength** | ASTM C293 | 6.91 MPa (1002 psi) |
| **Shear Bond Adhesion** | ASTM C882 | 11.20 MPa (1625 psi) |
| **Absorption Rate** | ASTM D570 | 1.90% in water |
| **Taber Abrasion** | ASTM D4060 | 2500 cycles |
| **Tensile Strength** | ASTM C190 | 6.00 MPa (870 psi) |

**Packaging**

Durex® Acrylic resin Bond is available in 3.78 litre containers and 18.9 litre pails. Durex® Pool Marble is available in 31.8 Kg (70 lbs) bags.

**Storage**

Store Durex® Pool Marble in a dry, vented, waterproof location, stacked off the ground at ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness, moisture and away from direct sunlight. **KEEP FROM FREEZING**.

**Application**

Substrate must be dry, solid and sound, free of weak and powdery surfaces, ice, snow, dew, frost, oil, grease-releasing agents and other deleterious materials that may be detrimental to a positive bond. Pools to be coated must prepped to a minimum of ICRI CSP-1 via muriatic acid etching, ensuring all acid has been neutralized (using water and baking soda) and no residue is remaining. Concrete must be cured for a minimum of 28 days. Consult with Durabond Products Limited for questionable surfaces and unsound substrates. Clean substrate surfaces by sandblasting or high-pressure water blasting. For renovation or re-coating projects, apply a slurry bond coat. For the slurry bonding coat, mix Durex® Pool Marble with approximately 8-9 litres of Durex® Acrylic Resin Bond to achieve a slurry like consistency that can be roughly brushed on. Install slurry coat with heavy bristle acid style brush.

Mix materials as per desired consistency at a rate of 5.2L to 6.7L of water per bag. Trowel apply matrix, using several passes to compact the aggregate to a smooth, dense finish to achieve a smooth slip-resistant surface. Materials must be applied in a single continuous application. For best efficiency, materials may be applied via concrete pumping and plastered as per above. Contact Durabond for further information.

Powder pigments and decorative aggregates can be added to the mix for different colours and effects. Contact Durabond for further information.

For best results pool must be filled with water 12 hours after application of final coat or as required depending on weather conditions. Water must be filled completely with no interruptions.

**Limitations**

Not recommended for application to surfaces other than concrete. Ambient and substrate must be a minimum of 5 degrees Celsius during application and curing.

**Clean-up**

Clean all tools promptly after each use with clean water.

**Pool Start-Up Procedure**

POOL WATER PROCEDURE: In accordance with the National Plasterers Council standards, it is recommended that the following pool and spa water chemistry conditions be maintained on an ongoing basis for the longevity of the interior pool and spa finish. These values are important to prevent corrosion, deterioration, discoloration, scaling or other problems. For more information refer to your local agency having jurisdiction or NPC. Follow recommended fill and balancing procedures to ensure a successful start-up.

Fill pool completely and without interruption with clean, potable water. The use of a filter during fill is strongly recommended. The initial fill water is the most important water that the pool will receive and must be tested, recorded and adjusted according to the following parameters by an experienced pool professional. For the first thirty days (30) the pH and alkalinity must be monitored and adjusted (if applicable) every three (3) to five (5) days. All other chemicals monitored and adjusted (if applicable) every seven (7) to ten (10) days. The pool water must be tested regularly and documented monthly by a reputable company using a computerized system. Monitoring the pool water regularly will not only affect the new finish but will keep it looking new. Improper water chemistry will void the limited residential / commercial warranty. It is recommended that a quality sequestering agent be used in the initial start-up in accordance with the manufacturer's instructions and then a recommended maintenance dosage per the sequestering agent's manufacturer instructions.

FIRST DAY: Add sequestering agent upon initial fill per manufacturer's instructions. Adjust pH to 7.2 - 7.6 and total alkalinity to 80 -120 PPM. Maintain calcium hardness at a minimum of 125 PPM for the first three days, then adjust to 200-400 PPM thereafter. Dissolve chemicals completely in water and disperse throughout pool.

SECOND DAY: Record pH, total alkalinity, calcium hardness and temperature levels. Adjust pH to 7.4 - 7.6 and total alkalinity to 80-120 PPM. Dissolve all chemicals completely in water before adding to pool, and allow sufficient time for each chemical to be fully dispersed before adding other chemicals. DO NOT ADD CHLORINE, and brush entire pool twice daily for the first three days.

THIRD DAY: Repeat steps from Second Day. Adjust chemistry to the following levels: Free Chlorine: 1.0 - 3.0 PPM pH: 7.4 -7.6 Total Alkalinity: 80 -120 PPM Calcium Hardness: 200 - 400 PPM Stabilizer: 30 - 60 PPM Adjust circulating pump timer to normal operating hours.

Brush the pool walls and floor daily for the first two (2) weeks. Do not vacuum pool with wheeled vacuum for 14 days. Putting a wheel cleaner in the pool prematurely can cause wheel marks/ tracks to show up on the pool finish. Do not install an automatic pool cleaner for 28 days. No salt should be added for 28 days. Please make sure the water pH and alkalinity is balanced prior to the use of salt chlorine generators.

DAILY WATER CHEMISTRY AFTER 28 DAYS Maintain the water chemistry using the Langelier Saturation Index (LSI) maintained between 0.0 and +0.3. Description / Pool & Spa Water Levels Free Chlorine – Above 4.0ppm may cause corrosion 1 - 3PPM Total Chlorine 1 - 3PPM pH 7.4 - 7.6 Alkalinity 80 - 120 PPM Calcium Hardness 200 - 400 PPM Cyanuric Acid 50 - 80 PPM TDS 300 - 1800 PPM (Non-Salt Pools) Salt Level 2500 - 3500 PPM (Salt Chlorination ONLY)

**Health and Safety**

For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

**Warranty**

Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.

**Technical Services**

Technical support is available upon request at info@durabond.com. For the latest version of this data sheet, please visit our website at www.durabond.com, call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.