

# Durex Gemstone

## Acrylic High Build Multi-Coloured Decorative Coating

- Description** Durex® Gemstone is a high build, multi-coloured, protective and decorative coating consisting of coloured quartz aggregates and oversized mica flakes embedded in a clear, 100% acrylic resin. Its distinctive features allow the designer to create attractive and unique surfaces.
- Uses** Durex® Gemstone is used with any of the Durex® EIFS Systems, as well as with any of the Durex® Non-Insulated Wall Systems. It can also be used as the finish coat on tilt-up panels or precast walls. Durex® Gemstone is also ideal for interior use to turn any common wall into a work of art.
- Features**
- Exceptional durability
  - Natural aggregates in clear resin
  - Excellent water repellency; protects surfaces from moisture penetration
  - Breathable coating; allows water vapour within the wall system to evaporate
  - Excellent adhesion to substrate
  - Colourfast; not affected by ultra-violet rays
  - Suitable for both interior and/or exterior applications

### TECHNICAL DATA

PHYSICAL PROPERTIES	
<b>Product Type</b>	Water-based acrylic coating with integral quartz aggregates
<b>Appearance</b>	Dense paint/sand-like consistency (ready mixed)
<b>Toxicity</b>	Non-toxic
<b>Density</b>	1.65 Kg/ltr
<b>Bulk Pot Life</b>	2 years in can (sealed)
<b>Coating Thickness</b>	Type F: 1.2 mm; Type M: 1.7 mm; Type C: 2.5mm
<b>Coverage</b>	8- 10m <sup>2</sup> /pail Average coverage: One Coat: 11m <sup>2</sup> /pail (120 ft <sup>2</sup> /pail)
<b>Surface Requirements</b>	Primed with Durex® Brush Coat

PERFORMANCE PROPERTIES	METHOD	RESULT
<b>Freeze/Thaw Stability</b>	ASTM C67	Pass - No measurable loss of weight or visible damage
<b>Water Vapour Transmission</b>	ASTM E96	1075 ng/ Pa.s.m <sup>2</sup> (18.8 Perms)
<b>Water Absorption</b>	ASTM D570	4.55%
<b>Surface-burning Characteristics</b>	CAN4-S102	Flame spread – 8 Smoked developed < 5 Smoked contributed < 5
<b>Dry Adhesion</b>	ASTM D4541	1.35 MPa (195 psi)
<b>Alkali Resistance</b>	ASTM D1308	Pass - No blistering, wrinkle, lift or change in colour
<b>Accelerated Weathering Resistance</b>	ASTM G155	Pass 3500 hrs

**Packaging** Durex® Gemstone is readily available in an assortment of colour schemes and custom colours are available upon request. Durex® Gemstone is packaged in 30 kg. pails.

**Storage** Store Durex® Gemstone 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** Thoroughly mix Durex® Gemstone in its own pail before each use. Discard all frozen material, materials which have formed solid lumps at the bottom of the container and materials that do not appear to be of a homogeneous viscosity. Substrate must be dry, solid, clean and free of weak and powdery surfaces, free from ice, snow, dew, frost, oil, grease-releasing agents and other deleterious materials that may be detrimental to a positive bond. Check with Durabond Products Limited for questionable surfaces. Application of the Durex® Gemstone shall be executed by a team of at least 2 tradesmen. While one tradesman spreads the coating on the wall, the second tradesman following shall float the freshly applied coating to the desire texture. Paint the substrate with a matching Durex® Brush Coat primer and dry thoroughly. Trowel evenly to about the largest aggregate thickness. Float lightly over the finish several times keeping the float clean during the process. This will expose the large mica flakes. Using a stainless steel trowel spread the Durex® Gemstone onto the wall with upward strokes of the trowel. Hold the trowel

at a 20-25 degree angle to the wall for better spreadability. Apply sufficient pressure to provide an even and consistent layer of coating equivalent to the thickness of the largest (sphere-like) stone chip in the mix. Using a plastic trowel begin the floating process in a continuous circular motion of approximately 300mm-350mm (12"-14") in diameter per stroke immediately after the coating has been freshly applied. Keep a wet edge. Do not allow the freshly applied coating to form a surface film before beginning the floating process. Allow a minimum of 24 hours for curing. Protect freshly applied coating from inclement weather until coating has fully set and cured. Prevent rapid evaporation.

**Limitations**

Durex® Gemstone is not recommended for use:

- . Over previously treated surface without proper preparation
- . Surfaces where oils and other contaminants are present
- . When ambient, surface and material temperatures are below 5°C (41°F) during application and curing period

**Clean-up**

Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools. Durex® Cleaning Solution CS-100 is available to aid cleaning of soiled areas where the Durex® Gemstone has dried.

**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](mailto:info@durabond.com). For the latest version of this data sheet, please visit our website at [www.durabond.com](http://www.durabond.com), call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

