Durex® Crystal Coat

Acrylic High Build Multi-Coloured Reflective Coating

Description

Durex® Crystal Coat is a high build, multi-coloured, reflective coating. Formulated to create a rich, vibrant texture, it adds depth and variation to any architectural surface. Durex® Crystal Coat consists of aggregates and special reflective, coloured minerals embedded in a clear, 100% acrylic resin. Enhanced by halogen and natural light sources, resulting in endless interior and exterior design possibilities, this product is one of the most elegant of the Durex® Architectural Coatings.

Uses

Durex® Crystal Coat is used an effective, long-wearing, protective coating over all Durex® EIF Systems and Durex® Direct Applied Systems. This product is available in a variety of standard colours listed in the Durex® Colour Selection Guide. Durex® Crystal Coat is also available in custom colours.

Advantages

- Exceptional durability
- Metallic "glitter" reflection when in sunlight
- Excellent water repellency; protects surfaces from moisture penetration
- Breathable coating; allows water vapour within the wall system to evaporate
- Excellent adhesion to different types of substrates
- Colourfast, not affected by ultra-violets rays

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Water-based acrylic coating with integral natural stone chips
Appearance	Dense paint/sand-like consistency
Toxicity	Non-Toxic
Density	1.65 Kg/lt
Bulk Pot Life	2 years in can stability
Coating Thickness	Type F: 1.2 mm; Type M: 1.7 mm; Type C: 2.5 mm
Coverage	Type F: 10 m^2/pail; Type M: 8.0 m^2/pail; Type C: 6.0 m^2/pail Average coverage: 11 m^2/pail (120 ft^2/pail)
Surface Requirements	Primed with Durex® Brush Coat

PERFORMANCE PROPERTIES	METHOD	RESULTS
Freeze/thaw Stability	ASTM C67	Pass - No measurable loss of weight or visible damage
Water Vapour Transmission	ASTM E96	835 ng/ Pa.s.m^2 (14.6 Perms)
Water Absorption	ASTM D570	6.70%
Surface-Burning Characteristics	CAN4-S102	Flame spread – 8 Smoked developed < 5 Smoked contributed < 5
Dry Adhesion	ASTM D4541	1.35 MPa (195 psi)
Alkali Resistance	ASTM D1308	Pass - No blistering, wrinkle, lift or change in colour
Accelerated Weathering Resistance	ASTM G155	Pass 2000 hrs

Packaging

Durex® Crystal Coat is readily available in an assortment of colour schemes. Durex® Crystal Coat is also available in custom colours. This product is packaged in 30 kg pails.

Storage

Store Durex® Crystal Coat 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® Crystal Coat on its own pail before each use. Discard all frozen material, materials that 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 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. (Consult Durabond Products Limited for questionable surfaces). Application of Durex® Crystal Coat 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 desired texture. The process of applying and floating the Durex® Crystal Coat coating shall be continuous from the starting point to a natural break point, such as expansion/control joints and corners. Using a stainless steel trowel spread the Durex® finish 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 metal trowel begin the floating process in continuous circular motion of approximately 300 mm – 350 mm (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. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® CRYSTAL COAT WITH WATER OR OTHER ADDITIVES.**

Limitations

Durex® Crystal Coat 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® Crystal Coat 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. 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.