

Durex® Kolor Gard

Fade-Resistant Additive for Durex Architectural Coatings Product Lines

Description Durex® Kolor Gard Architectural Coatings incorporate fade-resistant pigmentation technology, a unique pigmentation system engineered to enhance colour-fastness properties (resistance to fading) of bright or deep mass-tone-coloured Architectural Coating products. Durex® Kolor Gard Architectural Coatings integrate specially formulated waterborne resins with high-performance ultraviolet-resistant colourants to lock in colour particles throughout the depth of coating products. Along with colour retention, this unique technology also enhances durability and crack resistance.

Uses Durex® Kolor Gard Architectural Coatings are highly recommended when bright mass-tone colours such as red, orange, blue, green, black, yellow, purple and violet are incorporated into the colour design of exterior building finishes. Durex® Kolor Gard Architectural Coatings are commonly applied over Durex® Quantum Select, Durex® Equalite or Durex® EW-17 Exterior Insulation Finish Systems. Durex Kolor Gard is available in a roller-applied top coat which can be pigmented to all colours of our Durex Colour Selection Guide or to match almost any custom accent colour. Durex Kolor Gard Pigmentation Technology is also available as an integral component to our Durex Pebblefloat, Durex Marblecoat 1.0 and Marblecoat 1.5, Rasato, Rustico and Sandstone Architectural Finishes.

- Features**
- Improves colour fastness/colour retention (no colour change under ultraviolet rays)
 - Improves durability, hiding power and flexibility of exterior coatings
 - Water-resistant, breathable coating reduces maintenance and improves life cycle costs
 - Improves resistance to cracking

TECHNICAL DATA

PHYSICAL PROPERTIES

Product Type	Acrylic-based elastomeric coating	
Appearance	Trowel Applied: Heavy-bodied, paste consistency	Roller Applied: Dense paint-like consistency
Viscosity	Trowel Applied: 300,000-500,000 cps	Roller Applied: 10,000-15,000 cps
Coverage	Trowel Applied: 9.3-13.0 m ² /pail (100-140 ft ² /pail)	Roller Applied: 37.2-74.4 m ² /pail (400-800 ft ² /pail) @ 2 coats
pH Level	9.0 – 9.5	
Min. Film Forming Temperature	0°C	
Toxicity	Non-toxic	
Shelf Life	3 years	

PERFORMANCE PROPERTIES

TEST	METHOD	RESULTS	
		Trowel Applied	Roller Applied
Film Thickness		1.0-2.0 mm (depending on texture)	10 mils @ 2 coats, dry
Water Vapour Permeability	ASTM E96	755 ng/Pa·s·m ² @ 25°C	195.3 ng/Pa·s·m ² @ 25°C
Flexibility	ASTM D522 (1/2 in.)	180° over 1/2 in. rod @ -20°C	180° over 1/8 in. rod @ -20°C
Adhesion	ASTM D4541	185 psi axial load: Pass	220 psi axial load: Pass
Tensile Strength	ASTM D412	275 psi @ 25°C 710 psi @ 0°C	203 psi @ 25°C 710 psi @ 0°C
Recovery After 24 HR.		100%	100%
Mildew Resistance	ASTM D3273	28 days > 85% RH – no growth	28 days > 85% RH – no growth
Dirt Pick-up Resistance		Excellent	Excellent
Curing Time		2 hr. Tack free @ 20°C 48 hr. Full cure @ 20°C	2 hr. Tack free @ 20°C 48 hr. Full cure @ 20°C

Packaging Durex® Kolor Gard Architectural Coatings are pre-mixed and packaged in 18.9 L (5 gal) pails, and are available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the *Durex® Colour Selection Guide* for all available colour options.

Storage Store Durex® Kolor Gard Architectural Coatings in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials at ambient temperatures above 5 degrees C and below 35 degrees C. **KEEP FROM FREEZING.**

Surface Preparation	Surfaces to be coated shall be clean, dry, structurally sound and free of debris or other materials deleterious to adhesion. Clean surfaces with a wire brush and/or power washer to remove dirt, loose materials and debris. Allow surfaces to thoroughly dry prior to applications. Contact Durabond Technical Services for further information.
Application	<p>THOROUGHLY MIX PRIOR TO USE. DO NOT DILUTE WITH WATER OR OTHER ADDITIVES.</p> <p>Discard frozen materials, materials which have formed solid lumps and/or materials which do not appear to be of a homogeneous viscosity. Apply materials at ambient temperatures above 5 degrees C.</p> <p>Trowel-Applied Textures: Using a stainless steel trowel, spread the Durex® Kolor Gard Architectural Coating onto the wall with upward strokes. Hold the trowel at a 20-25 degree angle to the wall for better spreadability. Apply sufficient pressure to trowel out an even, uniform layer of coating on the wall. Using a plastic trowel, immediately float the coating in an up and down or circular motion using strokes of approximately 400-450 mm (16-18 in.) in length. Maintain a wet edge, do not allow the coating to form a surface film before beginning the float process. The final texture shall be created in the float process by the aggregate rolling between the trowel and the substrate, leaving an even sand-like smooth pattern throughout the final finish. 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.</p> <p>Roller Applied Coatings: Using a 6.4 mm (1/4 inch) pile roller, apply a uniform coating with several passes to ensure complete coverage. Subsequent coats may be applied when the previous coat is dry to the touch. Apply a maximum of 2 coats within a 24-hour period. Ensure that the final stroke of the roller is always in the same direction and with the same roller pressure. Coverage will vary according to the substrate porosity, colour of original substrate and colour of the Durex® Kolor Gard Architectural Coating being applied.</p>
Limitations	Durex® Kolor Gard Architectural Coatings are not recommended for applications when ambient temperatures are below 5 degrees C (40 degrees F) during application and curing periods, and/or previously treated surfaces without proper preparation or on surfaces where oils and/or other contaminants are present.
Clean-up	Wash all tools and equipment immediately with warm water and mild detergent. Do not allow coating to dry on tools. Durex® Cleaning Solution CS-100 is available to clean soiled areas where Durex® Kolor Gard Architectural Coating has dried.
Health and Safety	Use rubber gloves when handling this product. Avoid contact with eyes and prolonged contact with skin. If irritation occurs, flush immediately with water and seek medical advice. Harmful if swallowed. Do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.
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.

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