

Durex® Epoxy Guard Pro

UV-Resistant Water-Based Epoxy Coating

Description	Durex® Epoxy Guard Pro Water-Based Epoxy Coating is a two-component, versatile, professional-grade UV-resistant water-based epoxy coating for floor and wall applications over concrete, masonry, gypsum and steel surfaces. It yields a seamless, easy to clean, durable enamel like finish that provide natural resistance to unwanted contaminants.
Uses	Durex® Epoxy Guard Pro is a versatile, hard-wearing protective coating for walls and floors typically used as a protective interior wall coating for concrete and drywall in high-traffic applications exposed to UV rays or that require a non-yellowing finish. Mainly for use in institutional and industrial applications. It is also an excellent protective coating for metal surfaces.
Ideal For	<ul style="list-style-type: none"> • Durable coating for a variety of applications • Interior wall coating for hospitals, schools, institutions and industrial applications • Primer and wear resistant topcoat for interior walls • Industrial safety line epoxy paint • Maintenance coating for doors, railings, etc.
Features	<ul style="list-style-type: none"> • Excellent UV resistance over standard epoxy coatings • Water-based, very low VOC and virtually odourless • Self-priming, fast drying • Excellent adhesion to wide variety of substrates • Very low flame spread rating • Excellent abrasion resistance • Outstanding water pounding and chemical resistance • Excellent leveling, flow and microform-free properties • No induction time • CFIA approved, USDA accepted

TECHNICAL DATA

PHYSICAL PROPERTIES

Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options. Available in Matte, Satin and Gloss
Resin Type	Water-based epoxy
Coverage	7 m ² /L (260 ft ² /gal) @ 3 mils DFT per coat Note: 2 coats recommended for best results
Mix Ratio	Part A : Part B 1:2 by volume
Cure Time @ 23°C (75°F)	To touch: 2 hours To recoat: 3 hours Light traffic: 6 hours Fully cured: 7 days
Pot Life – working time @ 23°C (75°F)	2-3 hours
Reducer/Clean-Up	Water
V.O.C.	< 30 g/L
pH Level	7-8

PERFORMANCE PROPERTIES

TEST METHOD

RESULTS

Percent Solids	ASTM D7232-06	50 ± 2% (vol.) clear
Viscosity (Brookfield) 23°C (75°F)	ASTM D2196	500-800 cps
Specific Gravity	ASTM D333	1.07 ± 0.01 g/L 8.90 ± 0.1 lb/gal
Flow Out (cm)		15.00 (50 mm x 25 mm Disc-2 min flow out)
Abrasion Resistance	ASTM 5178-91	100 mg/1000 cycles
Hardness (Pencil)	ASTM D3363	F-HB
Water Vapour Transmission	ASTM E96	6.67 US Perms

Packaging	Durex® Epoxy Guard Pro Water-Based Epoxy Coating is packaged as a kit (Part A & B) in 18.9 L (5 gal) and 3.78 L (1 gal) kits. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the <i>Durex® Colour Selection Guide</i> for all available colour options.
Storage Conditions	Store Durex® Epoxy Guard Pro Water-Based Epoxy Coating in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials in ambient temperatures above 10 degrees C and below 35 degrees C. KEEP FROM FREEZING.
Surface Preparation	<p>Surfaces to be coated must be sound, clean, dry and free of laitance, dust debris or other materials deleterious to adhesion. New concrete and masonry mortar shall be allowed to cure for a minimum of 28 days and to achieve a compressive strength of concrete of at least 25 MPa (3,625 psi) before coating. Concrete must contain less than 4% moisture content. All other porous (non-metal) surfaces must be below 85 as per an electronic moisture meter (EX – Delmhort Model BD-10). Surfaces to be prepared, primer, sealed for proper film formation, adhesion and finish. Maintain a dust-free environment for duration of work. Erect suitable barriers to prevent through traffic or other trades from entering working area during installation of coating and to protect adjacent surfaces from damage. Contact Durabond Technical Services for information.</p> <p>Concrete and masonry walls shall be filled with a block filler and perfected prior as required using Durex® Dur-A-Patch as required. Surfaces must be prepared to ICRI CSP 1-2.</p> <p>Gypsum wall board surfaces shall be sealed and primed with Durex® Drywall Primer.</p> <p>Common steel surfaces shall be prepared to SSPC-SP10, consult Durabond for primer recommendations.</p>
Mixing Instructions	Durex® Epoxy Guard Pro Water-Based Epoxy Coating is supplied as a kit based on mixing ratio. Mixing shall be carried out in a clean, rust-free container. Mix one (1) parts by volume of Part 'A' Epoxy resin with two (2) part by volume of Part 'B' catalyst. Mix only one kit at a time if using more than one kit of Durex® Epoxy Guard Pro. Mix the two parts together for approximately one (1) minute using a power mixer. Durex® Epoxy Guard Pro does not require an induction period; mixed product can be used immediately. Do not leave container in direct sunlight. Once mixed, product will last two to three (2-3) hours depending on surrounding temperature. Do not use the product after pot life is finished, otherwise the coating may appear to have an uneven gloss or colour, and a higher viscosity (thicker consistency).
Application	Prepare a test patch to verify the effectiveness of the cleaning process and to check product adhesion to the surface. Apply materials at ambient temperatures above 10 degrees C and below 30 degrees C. Apply by roller, brush or sprayer. Carefully organize the work with sufficient tradesmen to complete an entire section at natural break points. Avoid stop and start lines within any one section. Ensure that the final stroke of the roller is always in the same direction and with the same pressure applied to the roller. Recommend to apply material along perimeter edges with 75 mm (3 inch) - 100 mm (4 inch) wide synthetic brush, followed by a lint-free 10 mm (3/8 inch) pile roller. Maintain a wet edge to prevent overlap marks and gloss differences. This product is designed as a two-coat system; therefore, a two-coat application is sufficient to cover the entire surface.
Clean-Up	Wash all tools and equipment immediately with warm water and mild detergent. Allow any unused product to harden in the container and discard according to local regulations.
Health and Safety	Use under well-ventilated conditions with appropriate respirator approved for organic vapours and rubber gloves when handling the product. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. 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 Technical Coatings Ltd sales representative.

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