

Durex® Epotel 80

High Solids Epoxy Floor Primer & Sealer

Description	Durex® Epotel 80 High Solids Epoxy Floor Primer & Sealer is a two-component, 80% solids, liquid-applied epoxy floor primer and sealer. It is formulated to penetrate and bond into the substrate, acting as an aggressive primer for a variety of surfaces. Durex® Epotel 80 can also be used as a high-quality stand-alone sealer.
Uses	Durex® Epotel 80 High Solids Epoxy Floor Primer & Sealer is a roller- or squeegee-applied high-penetrating flooring primer and sealer. Used as an aggressive primer for Durex® Epotel and Uraflex floor coatings. It is also used as a stand-alone high-quality clear sealer for interior concrete floors.
Ideal For	<ul style="list-style-type: none"> • Primer for difficult-to-bond-to surfaces • Primer for the majority of Durex® Epotel and Uraflex floor coatings • High-performance floor sealer for medium-duty industrial, warehouse and manufacturing applications
Features	<ul style="list-style-type: none"> • High-quality epoxy floor coating • 80% solids • Easy-to-apply, self-leveling properties • Chemical and abrasion resistant • Excellent coverage, seamless finish

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Clear (Light pigmenting available)
Resin Type	Epoxy
Coverage	6-10 m ² /L (250 - 400 ft ² /gal) @ 4-7 mils (5-9 mils WFT)
Mix Ratio	Part A : Part B 3:1 by volume
Cure Time @ 23°C (75°F)	To touch: 6-7 hours Light traffic: 12 hours Fully cured: 7 days
Pot Life – working time @ 23°C (75°F)	45 – 60 minutes
V.O.C.	200g/L

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	80%
Viscosity (Brookfield) 23-30°C (75-85°F)	ASTM D2196, Part A + B	1,000 cps (pigmented) 700 cps (clear)
Specific Gravity	ASTM D333	1.20 +/- 0.01 g/L (Pigmented) 1.05 +/- 0.01 g/L (Clear)
Flexural Modulus	ASTM D790-86	3.8 MPa (556 psi)
Abrasion Resistance	ASTM D4060-90	0.070g loss
Mar Resistance	ASTM D5178-91	1.5 kg
Shore D Hardness		80
60° Specular Gloss		110
Chemical Resistance	Durex® Epotel 80 resists damage by chemical reactivity and/or solvent reaction. Contact Durabond Technical Services for additional information.	

Packaging	Durex® Epotel 80 is packaged as a kit based on mixing ratios (Part A & B) in 94.5 L (25 gal), 18.9 L (5 gal) and 3.78 L (1 gal) units. This product is available in clear and lightly tinted to 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® Epotel 80 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 30 degrees C. KEEP FROM FREEZING.
Surface Preparation	Surfaces to be coated must be prepared by means of mechanical abrasion to ICRI CSP 2-3, 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. For best results, prepare surfaces by diamond grinding or shot blasting. Power wash and allow surfaces to thoroughly dry prior to applications. Maintain temperature in work areas to receive floor coating at a minimum of 10 degrees C for at least 24 hours before, during, and until coatings have fully cured. Provide significant ventilation where flooring is being applied. 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 floor coating and to protect adjacent surfaces from damage. Must be top coated within 48 hours of application. Contact Durabond Technical Services for information.
Mixing Instructions	Durex® Epotel 80 is supplied as a kit based on mixing ratio. Mixing shall be carried out in a clean, rust-free container, and mixed by a power drill at 400-500 rpm maximum. Mix three (3) parts by volume of Part A epoxy resin with one (1) part by volume of Part B amine binder. Mix for at least two (2) minutes.
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. Substrate temperature must be 3 degrees Celsius above dew point and the moisture content must be below 4%. Apply by roller and/or squeegee. For best results apply by tight squeegee followed by back rolling. 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 12 mm (1/2 inch) pile roller. Maintain a wet edge to prevent overlap marks and gloss differences. Application thickness: 5-9 mils WFT.
Cleaning	Clean tools and equipment immediately with solvent reducers.
Maintenance	Regular cleaning will maintain these systems in serviceable condition. However, certain textures and service environments require specific procedures. Contact Durabond Technical Services for further information.
Health and Safety	Use under extremely well-ventilated conditions with appropriate respirator approved for organic vapours and rubber gloves when handling the product. Solvent-based product, flammable hazard. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Extremely harmful if swallowed. Do not induce vomiting. Drink 1-2 glasses of water or milk. Seek medical attention immediately. 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.

DURabond

Technical Coatings Ltd

HEAD OFFICE
55 Underwriters Road
Scarborough, ON M1R 3B4
T 416.759.4474 F 416.759.4470

MISSISSAUGA
6178 Netherhart Road
Mississauga, ON L5T 1B7
T 905.565.9283 F 905.565.9365

EDMONTON
14345 120th Avenue
Edmonton, AB T5L 2R8
T 780.451.6364 F 780.453.9056

INFO@DURABOND.COM

WWW.DURABOND.COM

1.877.DURABOND (387.2266)

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