

Durex® Epotel 100 LM

High-Performance, Fast-Curing Smooth Epoxy Line Marking

Description Durex® Epotel 100 LM is a two-component, 100% solids, solvent-free, fast-curing liquid-applied epoxy line marking and safety area coating. Durex® Epotel 100 LM is ideal for applying lines in areas where there is a heavy workload. Durex® Epotel 100 LM is a highly visible and long-lasting epoxy coating with excellent coverage that reduces application steps. It is a time- and cost-effective solution to indicate safe traffic management plans. Durex® Epotel 100 LM is designed to provide a high build, tough, durable, abrasion- and chemical-resistant coating for interior concrete floor surfaces.

- Ideal For**
- Ideal for roads, car parks, warehouses and industrial floors
 - Quick turn-around projects
 - Cold temperature applications
 - Industrial floors or other environments requiring clean, sanitary conditions
 - Light-to-medium industrial, commercial and manufacturing applications

- Features**
- 100% solids, zero VOCs, odourless
 - Fast curing: 8 hours to vehicular traffic
 - CFIA approved, USDA accepted
 - Easy to apply, self-leveling properties
 - Chemical and abrasion resistant
 - Blush resistant, high-gloss finish
 - Excellent coverage, seamless finish

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Yellow, Red, Blue, Green, White, Black
Resin Type	Epoxy
Coverage	43 ft ² /L (160 ft ² /gal) @ 10 mils DFT 258 Liner feet of 50mm/ Liter @ 10 mils DFT Note: 2 coats required; total thickness: 10 mils per coat
Mix Ratio	Part A : Part B 3:1 by volume
Cure Time @ 23°C (75°F)	To touch: 1-2 hours Light traffic: 6 hours Vehicular traffic: 8 hours Fully cured: 7 days
Cure time @ 5°C (41°F)	To touch: 6 hours Light traffic: 24 hours Vehicular traffic: 36 hours Fully cured: 14 days
Pot Life – working time @ 23°C (75°F)	5 – 10 minutes
V.O.C.	Zero

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
Viscosity (Brookfield) 23-30°C (75-85°F)	ASTM D2196, Part A + B	1,500 (pigmented)
Compressive Strength	ASTM 695-85	75 MPa (10,900 psi)
Tensile Strength	ASTM 695-85	61 MPa (8,900 psi)
Tensile Modulus	ASTM D638-86	3.3 MPa (480 psi)
Elongation	ASTM D638-86	8.0%
Flexural Modulus	ASTM D790-86	3.8 MPa (556 psi)
Abrasion Resistance	ASTM D4060-90	0.033
Mar Resistance	ASTM D5178-91	1.5 kg
Shore D Hardness		88
60° Specular Gloss		110
Chemical Resistance	Durex® Epotel 100 LM – resists damage by chemical reactivity and/or solvent reaction. Contact Durabond Technical Services for additional information.	

Packaging	Durex® Epotel 100 LM – is packaged as a kit based on mixing ratios (Part A & B) in 18.9 L (5 gal) and 3.78 L (1 gal) units. This product is available in multiple safety-oriented 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 100 LM 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	Surfaces to be coated shall be shot-blasted, clean, dry, structurally sound 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. For best results, prepare surfaces by diamond-grinding or shot-blasting. Treat cracks using Durex® Epotel Crack Filler. Maintain temperature in work areas to receive floor coating at a minimum of 5 degrees C for at least 24 hours before, during, and until coatings have fully cured. Provide adequate 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. Contact Durabond Technical Services for information.
Mixing Instructions	Durex® Epotel 100 LM is supplied as a kit based on mixing ratios. 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. Durex® Epotel 100 LM must be applied rapidly and immediately poured onto the floor after mixed. Prepare in small batches for best working time and results.
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 5 degrees C. Apply by roller or brush and carefully organize the work with sufficient tradesmen to work quickly to complete an entire section at natural break points. Maintain a wet edge to prevent overlap marks and gloss differences.
Clean-up	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 well-ventilated conditions with appropriate respirator approved for organic vapours and rubber gloves when handling the product. Full eye and skin protection are required when using this product. Harmful if swallowed. Keep product out of reach of children. Read published Safety Data Sheet prior to use.
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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