

# Durex® Durathane 90 LM

## Non-Yellowing UV-Resistant High-Performance, Abrasion Resistant, Smooth Urethane Line Marking Coating

**Description** Durex® Durathane 90 LM (Line Marking) is ideal for applying lines in areas where there is an extra heavy workload. Durex® Durathane 90 LM is an abrasion resistant, non yellowing, highly visible and long-lasting urethane-based line marking coating which is a time and cost-effective solution to indicate safe traffic management. Durex® Durathane 90 LM is a two-component, 80% solids, fast-curing and an easy to installed roller-applied urethane line marking coating.

**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**

- Fast curing: 8 hours to vehicular traffic
- CFIA approved, USDA accepted
- Easy to apply
- Chemical and abrasion resistant
- Blush-resistant, high-gloss finish
- Excellent coverage, seamless finish

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

<b>Colour</b>	Safety & Line Colours (Yellow, Red, Blue, Green, White)
<b>Resin Type</b>	Aliphatic polyurethane
<b>Coverage</b>	3.9 m <sup>2</sup> /L (160 ft <sup>2</sup> /gal) @ 10 mils WFT 10.15 linear metres @ 50mm wide / Liter @ 10 mils WFT 975 Liner feet @ 2" wide / gallon @ 10 mils WFT <b>Note</b> 2 coats required; total thickness: 10 wet mils per coat
<b>Mix Ratio</b>	4.5:1
<b>Cure Time @ 23°C (75°F)</b>	To touch: 1-2 hours Light traffic: 6 hours Vehicular traffic: 8 hours Fully cured: 7 days
<b>Pot Life – working time @ 23°C (75°F)</b>	20 minutes
<b>V.O.C.</b>	190 g/L

#### PERFORMANCE PROPERTIES

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
<b>Percent Solids</b>		80%
<b>Bond Strength</b>	ASTM D4541	350 psi Failure at concrete
<b>Tensile Modulus</b>	ASTM D638-86	2700 psi
<b>Hardness</b>	ASTM D2240	75 (Shore D)
<b>Abrasion Resistance</b>	ASTM D5178-91 1000 g load, 1000 cycles CS-17 Wheel	75 mg

<b>Packaging</b>	Durex® Durathane 90 LM is packaged as a kit based on mixing ratios (Part A & B) in 18.9 L (5 gal) and 3.78 (1 gal) units. Custom unit sizes available for orders over 100 gallons. This product is available in mass tone standard 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.
<b>Storage Conditions</b>	Store Durex® Durathane 90 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 25 degrees C. <b>KEEP FROM FREEZING.</b>
<b>Surface Preparation</b>	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. Power wash and allow surfaces to thoroughly dry prior to applications. Treat cracks using Durex® Dur-A-Patch EP. 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.
<b>Mixing Instructions</b>	Durex® Durathane 90 LM – 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 as supplied in the kit, 4.5 parts by volume of Part ‘A’ epoxy resin with 1 part by volume of Part ‘B’ amine binder. Mix for at least two (2) minutes. Durex® Durathane 90 LM – must be applied rapidly and immediately poured onto the floor after mixed. Prepare in small batches for best working time and results.
<b>Application</b>	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.
<b>Clean-Up</b>	Clean tools and equipment immediately with solvent reducers.
<b>Maintenance</b>	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.
<b>Health and Safety</b>	Read published Safety Data Sheet prior to use and handling. Use under well ventilated conditions with appropriate protective clothing and eyewear when handling the product. Avoid contact with eyes and contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Harmful if swallowed. Keep product out of reach of children. Read published Safety Data Sheet for additional information.
<b>Warranty</b>	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.
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd sales representative.



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