

Durex® Durathane Clear

Non-Yellowing UV-Resistant Clear Polyurethane Topcoat

Description	Durex® Durathane Clear, Non-Yellowing UV-Resistant Clear Polyurethane Topcoat is an easy-to-use, thin-build traffic-bearing clear final coat engineered specifically for protecting light traffic-bearing and pedestrian surfaces.
Uses	Durex® Durathane is an ideal clear UV-resistant topcoat for light traffic areas. It is used as a stand-alone coating or part of the Durex Coating Systems to effectively protect and waterproof the surface below. Anti-Slip properties achieved by broadcasting aggregate onto the coating.
Ideal For	<ul style="list-style-type: none"> · UV-resistant protective coating for the Durex Decorative Balcony Coating System · Balconies and terraces · Pedestrian walkways and bridges · Stairways · Interior/exterior applications · UV-resistant topcoat for light traffic-bearing surfaces · Metal surface protection
Features	<ul style="list-style-type: none"> · Easy and quick installation · Elastomeric · UV-resistant, non-yellowing coating · Abrasion resistant · Durable · Extended pot life · Excellent gloss retention

TECHNICAL DATA

PHYSICAL PROPERTIES

Colour	Clear
Resin Type	Aliphatic polyurethane
Coverage	400 ft ² /gal @ 3 mils DFT (4 mils WFT) <i>Two coats recommended.</i>
Mix Ratio	3:1
Cure Time @ 23°C (75°F)	To touch: 2 hours Recoat time: 8 – 24 hours Foot traffic: 24 hours Total cure: 5 days <i>Drying times will vary due to temperature and humidity.</i>
Pot Life – working time @ 23°C (75°F)	45 - 60 minutes
V.O.C.	190 g/L

PERFORMANCE PROPERTIES

TEST METHOD

RESULTS

Percent Solids		70%
Bond Strength	ASTM D4541	350 psi
Tensile Modulus	ASTM D638-86	700 psi
Elongation	ASTM D638-86	50%
Abrasion Resistance	ASTM D5178-91 1000 g load, 1000 cycles CS-17 Wheel	75 mg
Water Vapour Transmission	ASTM E96	2.0 perms
Crack Bridging	ASTM C836	Pass @ 1/16" @-26C

Packaging	*** Replace. Durex® Durathane B500 is packaged as a kit based on mixing ratios (Part A & B) in 18.9 L (5 gal), 5.76 L (1.5 gal) and 3.78 (1 gal) units. Custom unit sizes available for orders over 100 gallons. 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® Durathane Clear 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. KEEP FROM FREEZING.
Surface Preparation	<p>Previously Coated Floor Surfaces: Coated surfaces shall be clean, dry, and structurally sound and free of debris or other materials deleterious to adhesion including amine blush. Apply Durex® Durathane Clear onto coatings within overcoating period of previous coating (typically within 24 hours). For best results, sand surfaces and solvent wipe clean before overcoating. Mechanical abrasion followed by solvent wipe is required to prepare surfaces that have been coated for more than 24 hours or those that have exceeded their overcoating period.</p> <p>Concrete Floor Surfaces: Floor surfaces shall be clean, dry, structurally sound and free of debris or other materials deleterious to adhesion. New concrete shall be allowed to cure for a minimum of 28 days before coating. Clean surfaces by mechanical abrasion to remove dirt, loose materials and debris. Mechanically abrade surfaces in accordance to CSP 2-3. Prime surface with Durex® Epotel Multi-Prime or Durex® Uraflex Primer. Allow primer to cure prior to applications. Primer and inter-coat applications must be coated within 24 hours of application.</p>
Mixing Instructions	Premix both components of Durex® Durathane Clear thoroughly prior to use, ensuring that the two components have been properly mixed without any evidence of settling and the colour is consistent throughout the mix. Mix the products for a minimum of two minutes using a low-speed mixing drill.
Application	Durex® Durathane Clear is to be applied at a wet thickness of 4-5 mils to form an effective abrasion-resistant topcoat. Apply the coating at a rate of 400 ft ² per gallon using a lint-free, 10 mm solvent-resistant roller. Immediately after application, back-roll the product to ensure proper dispersion of the coating. Do not allow materials to pond or build up thick. For an anti-slip finish, broadcast a light-coloured silica sand or equivalent of desired coarseness and back-roll to encapsulate the aggregate. Maintain temperature in working areas to receive floor coating at a minimum of 10 degrees for at least 24 hours before, during and after applications until coats have fully cured.
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 and recommendation.
Limitations	Do not apply Durex® Durathane Clear if temperature is less than 5 degrees Celsius. Do not thin with solvents. Apply when environmental conditions are at a minimum of 5°C with less than 65% humidity for at least 24 hours prior to and after application. Monitor the surface and temperature for proper curing times. Curing will accelerate and slow down with the rise and fall of temperature and humidity. Concrete must be fully cured prior to application.
Health and Safety	Use under well-ventilated conditions with 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.

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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