

# Durex® Clearthane

## UV-Resistant Elastomeric Polyurethane Clear Flooring Topcoat

- Description** Durex® Clearthane UV-Resistant Elastomeric Polyurethane Clear Flooring Topcoat is an easy-to-use, abrasion-resistant, high-build traffic-bearing elastomeric waterproofing clear topcoat engineered specifically as a topcoat for interior and exterior floors exposed to UV rays.
- Uses** Durex® Clearthane UV-Resistant Elastomeric Polyurethane Balcony and Pedestrian Waterproofing System is an ideal clear topcoat for a variety of flooring applications exposed to UV rays. It may be used as a clear protective topcoat, a stand-alone coating or part of the Durex Decorative Balcony Coating Systems to effectively protect and waterproof the surface below. Anti-slip properties achieved by broadcasting aggregate onto the coating.
- Ideal For**
- Waterproofing sealer for the Durex® Decorative Balcony Coating System
  - Balconies and terraces
  - Topcoat for decorative floors
- Features**
- Durable, versatile topcoat
  - Easy and quick installation
  - Elastomeric with crack-bridging properties
  - UV resistant, non-yellowing coating
  - Highly abrasion resistant
  - Durable and comfortable non-slip surface
  - Extended pot life

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

Colour	Clear
Resin Type	Aliphatic polyurethane
Coverage	70 ft <sup>2</sup> /gal @ 20 mils DFT
Mix Ratio	2:1
Cure Time @ 23°C (75°F)	To touch: 75-120 minutes Fully cured: 16 hours <i>Drying times will vary due to temperature and humidity.</i>
Pot Life – working time @ 23°C (75°F)	60 minutes
V.O.C.	80 g/L

#### PERFORMANCE PROPERTIES

#### TEST METHOD

#### RESULTS

Percent Solids		89%
Bond Strength	ASTM D4541	350 psi Failure at concrete
Tensile Modulus	ASTM D638-86	700 psi
Elongation	ASTM D638-86	120%
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

<b>Packaging</b>	Durex® Clearthane 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. Colour matching is available.
<b>Storage Conditions</b>	Store Durex® Clearthane 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 5 degrees C and below 35 degrees C. <b>KEEP FROM FREEZING.</b>
<b>Surface Preparation</b>	<p>All surfaces to be coated must be free of dirt, oils and/or any other contaminants that may prevent proper adhesion. Decorative coatings to be top-coated and sealed must be fully cured. Pre-treat all cracks up to 1/16" with Durex® Clearthane Clear, or with an approved clear polyurethane sealant. For larger cracks, please refer to application instructions, specifications, or consult Durabond Technical Services for further information and recommendation.</p> <p><b>Concrete:</b> Prior to application of Durex® Clearthane, the substrate must be fully cured to guarantee the absence of any excess moisture. Test the substrate to ensure it contains less than 4% moisture by weight. All surfaces are to be free of all contamination and laitance for proper adhesion, and prepare concrete in accordance to ICRI-CSP 2-3. All surfaces must be primed prior to application. Please contact your Durabond Technical Sales representative for further information.</p>
<b>Mixing Instructions</b>	Premix both components of Durex® Clearthane 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.
<b>Application</b>	Durex® Clearthane is to be applied at a thickness of 10-15 mils to form an effective waterproofing membrane. Apply the coating at a rate of 70 ft <sup>2</sup> per gallon using a notched squeegee or a 13 mm solvent resistant roller. Immediately after application, back-roll the product to ensure proper dispersion of the coating. For an anti-slip finish, broadcast a light-coloured silica sand or equivalent of desired coarseness and back-roll to encapsulate the aggregate.
<b>Clean-Up</b>	Clean tools and equipment 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 and recommendation.
<b>Limitations</b>	Do not apply Durex® Clearthane if temperature is less than 10 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.
<b>Health and Safety</b>	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.
<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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