

# Durex® Epotel 45

## Epoxy Primer

<b>Description</b>	Durex® Epotel 45 Epoxy Primer is a two-component, 45% solids, liquid-applied epoxy floor primer. It is formulated to penetrate and bond into the substrate, acting as an aggressive primer for a variety of surfaces.
<b>Uses</b>	Durex® Epotel 45 Epoxy Primer is a roller- or squeegee-applied high-penetrating flooring primer. Used as an aggressive primer for Durex® Durathane Balcony Coating System as well as a variety of Durex® Epotel and Uraflex floor coatings.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>• Primer for difficult-to-bond-to surfaces</li> <li>• Primer for Durex® Durathane Balcony Coating System</li> <li>• Primer for the majority of Durex® Epotel and Uraflex floor coatings</li> <li>• Minimizing outgassing of subsequent coatings</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• High-percentage properties</li> <li>• 45% solids</li> <li>• Easy to apply, self-leveling properties</li> <li>• Chemical and abrasion resistant</li> <li>• Excellent coverage, seamless finish</li> </ul>

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

<b>Colour</b>	Clear (Light pigmenting available)
<b>Resin Type</b>	Epoxy
<b>Coverage</b>	6-10 m <sup>2</sup> /L (250-400 ft <sup>2</sup> /gal) @ 3-6 mils (6-10 mils WFT)
<b>Mix Ratio</b>	Part A : Part B 5:1 by volume
<b>Cure Time @ 23°C (75°F)</b>	To touch: 6-7 hours Light traffic: 12 hours Fully cured: 7 days
<b>Pot Life – working time @ 23°C (75°F)</b>	1-2 hours
<b>V.O.C.</b>	240g/L

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
<b>Percent Solids</b>	ASTM D7232-06	45%
<b>Viscosity (Brookfield)</b> 23-30°C (75-85°F)	ASTM D2196, Part A + B	950 cps (Pigmented) 700 cps (Clear)
<b>Specific Gravity</b>	ASTM D333	1.20 +/-0.01 g/L (Pigmented) 1.05 +/-0.01 g/L (Clear)
<b>Abrasion Resistance</b>	ASTM D4060-90	0.070g loss

<b>Packaging</b>	Durex® Epotel 45 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.
<b>Storage Conditions</b>	Store Durex® Epotel 45 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. <b>KEEP FROM FREEZING.</b>
<b>Surface Preparation</b>	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.
<b>Mixing Instructions</b>	Durex® Epotel 45 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 four (5) 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.
<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 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. <b>Application thickness:</b> 5-9 mils WFT.
<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>	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.
<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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