

# Durex® Dur-A-Hard Primer Topcoat

## Cementitious Polyurethane Coating

<b>Description</b>	Durex® Dur-A-Hard Primer Topcoat Cementitious Polyurethane Coating is a roller-applied, solvent-free, and easy-to-apply topcoat for the Durex® Dur-A-Hard line of cementitious polyurethane floor systems. It is designed to provide a relatively thin-build protective coating over Durex® Dur-A-Hard flooring systems as well as uncoated concrete surfaces.
<b>Uses</b>	Durex® Dur-A-Hard line Primer Topcoat Cementitious Polyurethane Coating is a roller-applied, odourless, 8-10mils flooring topcoat approved for use in the Food and Beverage Industry. Durex® Dur-A-Hard line Topcoat is used to protect concrete floors surfaces against organic and inorganic chemical compounds, bacterial growth and withstands thermal shock under extreme cold and heat steam treatments.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>• Primer and topcoat for Durex® Dur-A-Hard flooring systems</li> <li>• Food processing plants, including meat/poultry processing, bakeries and dairy manufacturing</li> <li>• Hospitals and medical centres</li> <li>• Commercial kitchens</li> <li>• Wet areas, loading docks and garbage rooms</li> <li>• Lighter-duty applications when used as a stand-alone coating</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• CFIA approved; USDA accepted</li> <li>• Zero VOCs, odourless and non-tainting</li> <li>• Resistant to organic and inorganic chemical compounds and bacterial growth</li> <li>• Chemical and abrasion resistant</li> <li>• Easy to apply, easy to clean and sterilize</li> <li>• May be applied at low temperatures (5°C)</li> <li>• Seamless waterproofing, slip-resistant floor topping</li> <li>• Will bond to mild steel and water-resistant plywood</li> <li>• Breathable; can be applied over green concrete</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES		
<b>Colours</b>	Please see <i>Durex® Colour Selection Guide</i> for available colour options.	
<b>Adhesion to Concrete</b>	>400 psi (concrete fails before loss of bond)	
<b>Cure Time @ 21°C</b>	Foot Traffic: 12-24 hours Full Service: 36-48 hours Heavy-duty Traffic: 48 hours	
<b>Mix Ratio (by volume)</b>	4 Component Kit Part A (2.0kg), Part B (2.5kg), Part D Colorant (0.5kg) and Part C (5 kg bag)	
<b>Coverage</b>	20-25 m <sup>2</sup> (200-250 ft <sup>2</sup> ) @ 8-10 mils per kit	
<b>Pot Life – working time @ 25°C</b>	15 minutes. <b>Note:</b> Pot life is shorter at higher temperatures. Do not use below 5°C or above 30°C.	
PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
<b>Abrasion Resistance</b> CS17 Wheel 1000 GM Load 1000 Cycles	ASTM C-501	35 mg loss
<b>Coefficient of Friction</b> Standard Slip-Resistant	ASTM D-2047	0.9
<b>Compressive Strength</b>	ASTM C-579	46 MPa (6,688 psi)
<b>Flexural Strength</b>	ASTM C-580	19 MPa (2,762 psi)
<b>Impact Resistance @ 125 mils</b>	MIL D-3134	Pass
<b>Tensile Strength</b>	ASTM C-307	8 MPa (1,164 psi)

<b>Packaging</b>	Durex® Dur-A-Hard Primer Topcoat Cementitious Polyurethane Coating is packed as a 4-component kit based on mixing ratios; Part A (2.0kg), Part B (2.5kg), Part D colorant (0.5kg) and Part C (5kg bag) mix is a cementitious admixture. 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.
<b>Storage Conditions</b>	Store Durex® Dur-A-Hard Primer Topcoat Cementitious Polyurethane Coating 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 must be mechanically abraded, clean, dry, structurally sound and free of oils and debris or other materials deleterious to adhesion. Allow surfaces to thoroughly dry prior to applications.
<b>Moisture Concerns</b>	Moisture content in the slab is to be measured prior to application of flooring system to prevent craters and blistering, due to out-gassing of repaired or freshly prepared substrates.
<b>Equipment</b>	Mixing shall be carried out with a clean, rust-free paddle mixer that shall minimize air entrainment, powered by a power drill at 400-500 rpm maximum.
<b>Mixing Instructions</b>	Durex® Dur-A-Hard Primer Topcoat Cementitious Polyurethane Coating is supplied in a kit based on mix ratio. Combine Part 'A' 'D' and Part 'B' liquid components in a clean plastic container and mix for two minutes. Combine the liquid mixture component with the dry Part 'C' component in a separate large container (20 L pail) and mix for two minutes. Durex® Uracrete Primer Topcoat Cementitious Polyurethane Coating must be applied immediately for best working time and results.
<b>Application</b>	Apply the mixed product onto prepared floor and spread using pin rake and/or squeegee. Spread the material onto the floor at an average wet film thickness of 8 to 10 mills. Finish the system application using a stainless steel trowel to smooth and level the surface. Back-roll with a lint-free roller to smooth the coating. Broadcast a non-slip aggregate into coating for increased slip resistance.
<b>Cleaning</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 recommendations.
<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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