

Durex® Dur-A-Hard Topcoat

Cementitious Polyurethane Coating

Description	Durex® Dur-A-Hard Topcoat Cementitious Polyurethane Coating is a roller-applied, phthalate & 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. Durex® Dur-A-Hard Topcoat is used to re-coat Dur-A-Hard floors, to lock in broadcasted aggregate and can also be used as a primer when required.
Uses	Durex® Dur-A-Hard Topcoat is a roller applied, odourless, 8-10mils flooring topcoat approved for use in the Food and Beverage Industry. Durex® Dur-A-Hard Topcoat is used to re-coat Dur-A-Hard floors, to lock in broadcasted aggregate and can also be used as a primer when required. Durex® Dur-A-Hard 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.
Ideal For	<ul style="list-style-type: none"> • Topcoat & primer for Durex® Dur-A-Hard flooring systems • Food processing plants, including meat/poultry processing, bakeries and dairy manufacturing • Hospitals and medical centers • Commercial kitchens • Wet areas, loading docks and garbage rooms • Lighter duty applications when used as a stand-alone coating
Features	<ul style="list-style-type: none"> • CFIA approved; USDA accepted • Zero VOC's, odorless, and non-tainting • Resistant to organic and inorganic chemical compounds and bacterial growth • Chemical and abrasion resistant • Easy to apply, easy to clean and sterilize • May be applied at low temperatures (5 degrees C) • Seamless waterproof slip-resistant floor topping • Will bond to mild steel and water-resistant plywood • Breathable; can be applied over green concrete

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options.
Adhesion to Concrete	>400 psi (concrete fails before loss of bond)
Cure Time @ 21°C	Foot Traffic: 12-14 hours Full Service: 36-48 hours Heavy Duty Traffic: 48 hours
Mix Ratio (by volume)	4 Component Kit Part A(2.0kg), Part B (2.5kg), Part D Colorant (0.5Kg) and Part C (5 kg bag)
Coverage	15-20 m ² (150-200 ft ²) @ 8-10 mils per kit
Pot Life – working time @ 25°C	15 minutes Note: Pot life is shorter at higher temperatures. Do not use below 5°C or above 30°C.

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM C501	35 mg loss
Shore D Hardness	ASTM D 2240	82
Compressive Strength	ASTM C579	46 MPa (6,688 psi)
Flexural Strength	ASTM C580	19 MPa (2,762 psi)
Bond Strength	ASTM D4541	>4.1 Mpa (596.1 Psi) Concrete failure
Tensile Strength	ASTM C307	12.3 MPa (1,788 psi)

Packaging	Durex® Dur-A-Hard 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 (5 kg 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.
Storage Conditions	Store Durex® Dur-A-Hard 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. KEEP FROM FREEZING. Durex® Dur-A-Hard Topcoat has a shelf life of 6 months.
Surface Preparation	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.
Moisture Concerns	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.
Equipment	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.
Mixing Instructions	Durex® Dur-A-Hard 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® Dur-A-Hard Topcoat must be applied immediately for best working time and results.
Application Method	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.
Cleaning	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.
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)

V2.01