

Durex® Dur-A-Hard VG

Cementitious Polyurethane Detailing Mortar & Wall Coating

Description	Durex® Dur-A-Hard VG Cementitious Polyurethane Detailing Mortar is a vertical-grade, trowel-applied, fast-curing, phthalate and solvent-free cementitious polyurethane mortar designed for use with Durex® Dur-A-Hard High Performance Cementitious Polyurethane Flooring System for commercial and industrial applications. It is formulated as a highly thermal shock-resistant coating system for demanding production areas, trenches and coves especially those found in the food and beverage industry.
Uses	Durex® Dur-A-Hard VG Cementitious Polyurethane Detailing Mortar is used to coat all vertical surfaces, build fillets, coves, curbs and other detail work associated with Durex® Dur-A-Hard flooring systems. This product is odourless, non-tainting and is approved by the Canadian Food Inspection Agency for use in the food and beverage industry.
Ideal For	<ul style="list-style-type: none"> • Detailing mortar for Durex® Dur-A-Hard SL & Durex® Dur-A-Hard TG Flooring Systems • Coves, upturns and trenches • Pharmaceutical laboratories and clean rooms • Chemical processing plants • Food processing plants, including meat/poultry processing and dairy manufacturing • Hospitals and medical centres • Commercial kitchens and restaurants
Features	<ul style="list-style-type: none"> • CFIA approved; USDA accepted • Zero VOC's, odourless, and non-tainting • Easy to apply; non-sagging properties for vertical applications • Chemical resistant • Fast setting, easy to apply, easy to clean and sterilize • May be applied at low temperatures (5 degrees C) • Will bond to mild steel and water-resistant plywood • High-build, tough coating • Outstanding thermal shock resistance (up to 120°C)

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: 8-10 hours Full Service: 24 hours Heavy Duty Traffic: 48 hours
Mix Ratio (by volume)	4 Component Kit Part A (0.9kg), Part B (1.0kg), Part C (15 kg bag) and Part D Colourant (0.2Kg)
Coverage	2.8 m ² @ 3 mm (30 ft ² @ 1/8 in) per kit 1.4 m ² @ 6 mm (15 ft ² @ 1/4 in) per kit
Pot Life – working time @ 25°C	15 minutes
Service Temperature	-40°C to 120°C (steam wash)

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM C501	35 mg loss
Coefficient of Friction Standard Slip-Resistant	ASTM D2047	0.9
Compressive Strength	ASTM C579	46 MPa (6,924 psi)
Flexural Strength	ASTM C580	19 MPa (2,625 psi)
Impact Resistance @ 125 mils	MIL D3134	Pass
Tensile Strength	ASTM C307	8 MPa (1,198 psi)

Packaging	Durex® Dur-A-Hard VG Cementitious Polyurethane Detailing Mortar is packed as a four-component kit based on mixing ratios; Part A(0.9kg), Part B (1.0kg), Part D Colorant (0.2Kg) and Part C (15 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 VG Cementitious Polyurethane Detailing Mortar 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	Surfaces to be coated must be clean, dry, structurally sound and free of oils and debris or other materials deleterious to adhesion. For best results, areas to be coated must be abraded to achieve a proper surface profile. Allow surfaces to thoroughly dry prior to applications. All areas to be coated must be primed with Durex® Dur-A-Hard VG Primer prior to application. Allow primer to cure for 30-60 minutes prior to application, refer to Durex® Dur-A-Hard VG Primer for further information.
Edge Termination	All the free edges of Durex® Dur-A-Hard floor whether at the perimeter, along gutter or at drains require extra anchorages to distribute mechanical and thermal stresses. This is best achieved by forming or cutting grooves in the concrete. Grooves should have a depth and width of two times thickness of the Durex® Dur-A-Hard flooring material.
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 VG Cementitious Polyurethane Detailing Mortar 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 VG Cementitious Polyurethane Detailing Mortar must be applied immediately for best working time and results.
Application Method	Durex® Dur-A-Hard VG is to be applied over a primed surface (using Durex® Dur-A-Hard VG Primer). Apply after primer has been allowed to cure for 30-60 minutes. Trowel and spread the product using a stainless-steel trowel. Work the material to the form and build curb, coves and floor transitions and apply directly on walls in vertical applications. Spread the material at an average wet film thickness of 3mm to 6mm (1/8 to 1/4 inch). Immediately finish the product using a stainless-steel trowel to smooth the surface.
Cleaning	Regular cleaning will maintain these systems in serviceable condition.
Health and Safety	Keep product out of reach of children. Read published Safety Data Sheet prior to handling, storage and use as well as 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.

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