

Durex® Dur-A-Seal CP50

Exterior Concrete & Masonry Protective Coating

- Description** Durex® Dur-A-Seal CP50 Exterior Concrete & Masonry Protective Coating is an extremely durable, VOC-compliant solvent-based, reinforced liquid-applied cementitious coating. It features ionic bonding technology for excellent adhesion to concrete and masonry substrates for a wide variety of protective applications.
- Uses** Durex® Dur-A-Seal CP50 Exterior Concrete & Masonry Protective Coating is used on exterior concrete and masonry surfaces for a long-lasting, protective finish suitable for applications in harsh environments. Durex® Dur-A-Seal CP50 Exterior Concrete & Masonry Protective Coating can be used as a primer coating in exterior and interior applications as well as light-traffic floor areas.
- Ideal For**
- Exterior coating for concrete and masonry buildings
 - Protecting reinforced concrete and concrete structures
 - Balconies and light-traffic concrete floors
- Features**
- Low odour and VOC-compliant breathable coating
 - Efflorescence resistant
 - Water, mildew and alkaline resistant
 - Resistance to saponification caused by alkaline substrates
 - Matte finish, available in smooth or light grit texture
 - Application to green concrete
 - Ionic Bond Technology with excellent adhesion to concrete and masonry substrates
 - Excellent exterior durability and self-cleaning properties
 - Cures down to -5°C (substrate must be frost free); available in winter grade for low temperature applications

TECHNICAL DATA

PHYSICAL PROPERTIES

Finish	Smooth or Light Sand Texture	
Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options.	
Resin Type	Acrylic copolymer	
Coverage	3-5 m ² /L (150-200 ft ² /gal) @ 3-5 mils DFT	
Cure Time	@ 23°C (75°F), 55% RH	@ 0°C (32°F), 55% RH
	To touch: 1 hour	To touch: 2 hours
	To recoat: 4 hours	To recoat: 8 hours
	Fully cured: 7 days	Fully cured: 14 days
Sheen	Flat	
Reducer/Clean-up	Special solvent or mineral spirit	

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	45 ± 5% (vol.)
Viscosity (Brookfield) 23°C (75°F)	ASTM D2196	2,000-3,000 cps
V.O.C.	ASTM D3960-05	250 g/L
Specific Gravity	ASTM D333	1.3 ± 0.05 g/L
		11.00 ± 0.1 lb/gal
WVP (Water Vapour Permeance)	ASTM D1653-13	English Perm 35/ng/(m2.Pa.s): 2010
Flash Point Closed Cup		40°C (140°F)

Packaging	Durex® Dur-A-Seal CP50 Exterior Concrete & Masonry Protective Coating is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) pails. 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-Seal CP50 Exterior Concrete & Masonry Protective 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 5 degrees C and below 2 degrees C. KEEP FROM FREEZING.
Surface Preparation	Prepare surface to ICRI CSP 2 via mechanical abrasion. Clean surfaces to remove dirt, loose materials and debris, and/or other materials deleterious to adhesion. Allow surfaces to thoroughly dry prior to applications. Fill cracks and holes, and retool mortar joints to provide a smooth uniform surface. It is recommended to provide a perimeter drip edge for horizontal applications to minimize the visual effects of surface runoff. Do not use in locations subject to continuous water immersion. Ensure surface is ice and frost free when applying in sub-zero temperatures.
Application	THOROUGHLY MIX PRIOR TO USE. DO NOT DILUTE WITH WATER OR OTHER ADDITIVES. Prepare a test patch to verify the effectiveness of the cleaning process, and to check product adhesion to the surface. Do not proceed with applications prior to, during, or after inclement weather conditions, or if adverse weather is anticipated within 24 hours after application. Apply materials at ambient temperatures above -5 degrees C. For cold temperature applications ensure that the surface is ice and frost free. Use Dur-A-Seal CP50 Winter Grade in applications below -5 degrees C. Lower temperatures will lengthen cure times. Durex® Dur-A-Seal CP50 can be applied using rollers, power sprayers or brushes. Rollers should be lint free and solvent resistant, having a nap of 19 mm to 31 mm (3/4 to 1 1/4 inch) in order to achieve the coverage rate. Provide a perimeter drip edge for horizontal applications to minimize the visual effects of surface runoff. Do not use in locations subject to continuous water immersion.
Clean-Up	Wash all tools and equipment immediately after use with mineral spirits.
Maintenance	None required.
Limitations	When applying in sub-zero temperatures, surface must be free of ice, snow and frost.
Health and Safety	Take suitable fire precautions. Use under well-ventilated conditions with appropriate respirator approved for organic vapours and 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.

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