

Durex® Acrotel Metalcoat

Acrylic/Solvent Metal Coating

Description	Durex® Acrotel Metalcoat Acrylic/Solvent Coating is a unique single-component, solvent-borne acrylic polymer-based coating for metal applications.
Uses	Durex® Acrotel Metalcoat Acrylic/Solvent Coating is used for both exterior and interior applications. It is an easy-to-use one-coat system for steel, galvanized steel and aluminum.
Ideal For	<ul style="list-style-type: none">• Steel rebar and beams• Industrial steel parts which require fast drying and excellent adhesion
Features	<ul style="list-style-type: none">• Positively adheres to steel, alloys and aluminum• Exterior durability• Excellent anti-corrosion properties• Very good chemical resistance• High solid and excellent corrosion resistance• Low and high temperature application: -10°C to 40°C• Very low film-forming temperature

TECHNICAL DATA

PHYSICAL PROPERTIES

Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options.
Resin Type	Acrylic copolymer
Coverage	8.5 m ² /L (350 ft ² /gal) @ 2 mils DFT
Cure Time @ 23°C (75°F), 55% RH	To touch/recoat: 1 hour Fully cured: 2 hours
Sheen, 60° (ASTM D3679)	<2%
Reducer/Clean-up	Mineral spirit

PERFORMANCE PROPERTIES

TEST METHOD

RESULTS

Percent Solids	ASTM D7232-06	70 % (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	1.15 ± 0.1 g/L 9.70 ± 0.8 lb/gal
Flexibility (Conical Mandrel), 4 in.	ASTM D522	Pass
Cross Hatch Adhesion	ASTM D3359	5 on Galvanized Steel
Corrosion Resistance, Salt Spray, 200 Hr	ASTM B117	D#8, #6 at scribe, M#6, #4 on face, 5 mm undercut, < 10% rust

Packaging	Durex® Acrotel Metalcoat Acrylic/Solvent 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® Acrotel Metalcoat Acrylic/Solvent 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 35 degrees C. KEEP FROM FREEZING.
Surface Preparation	All surfaces to be coated must be free of dirt, oils or any other contaminants that may prevent proper adhesion of Durex® Acrotel Metalcoat Acrylic/Solvent Coating. Mechanically abrade all surfaces and clean with solvent wipe prior to coating. Inspect the surface for any contamination. Grease or oil should be removed by solvent in accordance with SSPC-SP1 or ASTM D609 for steel surface and ASTM D1730 for aluminum and alloy. Blast cleaning is recommended for entire surface and weld seams SSPC-SP 6 or NACE 3.
Application	For vertical or horizontal metal surface applications, use a 10 mm or 15 mm nap, lint-free roller to achieve 3-5 mils DFT. A two-coat application is recommended for higher film thickness (> 10 mils). Spray application is recommended when coating larger areas.
Clean-Up	Wash all tools and equipment immediately after use with mineral spirits.
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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