

Durex® ACR Smooth Metallic

Exterior-Grade Non-Textured Acrylic Concrete & Masonry Coating

Description	Durex® ACR Smooth Metallic is a high quality, 100% acrylic based paint. Exterior-grade, flat acrylic latex specially designed as the top coat for the ACR Smooth Metallic finish system. It provides a velvety smooth and flat non-reflective finish that simulates the appearance of ACM (Aluminum Composite Material) metal panels.
Uses	Durex® ACR Smooth Metallic is also used as premium quality coating for exterior masonry and concrete surfaces. This product may be pigmented to match any colour. It is ideal for recoating of existing stucco surfaces.
Advantages	<ul style="list-style-type: none"> • 100% acrylic latex formula for superior adhesion, durability, and weatherability • Excellent water repellency; protects wall from moisture penetration • Breathable coating; allows water vapour within the wall system to evaporate • Velvety smooth and flat non-reflective finish • Abrasion resistant • Excellent colour retention and resistance to fading • Sprayable

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	Water-based 100% acrylic coating
Sheen	5 – 10 @ 60%
Viscosity	100- 150 cps – ASTM D2196
Density	1.30 – 1.35 Kgs/lit (11.0 – 11.3 Lbs/Gal)
Shelf Life	3 years
Solids	By Volume : 40% +/- 2% By weight: 53% +/- 2%
Toxicity	Non-toxic - VOC < 50 g/lit (<0.42 lbs/gal)
Coverage	1 coat: 8 m ² /L (320 ft ² /gal) 2 coats: 4 m ² /L (170 ft ² /gal) Coverage will vary according to the porosity of the substrate, application method, colour of original substrate and colour of the Durex® ACR Smooth Metallic to be applied. A test sample should be applied to establish practical coverage on the actual substrate.

PERFORMANCE PROPERTIES	METHOD	RESULT
Consistency	ASTM D562	95 - 105 KU
Fineness of Grind	ASTM D1210	3 Hegman, 58 Microns
Alkali Resistance	ASTM D1308	Pass
Gloss	ASTM D-23	11.5 Gloss Units
CO₂ Diffusion	ASTM F2476	Pass 325 m - 7.8 g/m ² /24hrs
Resistance to Wind Driven Rain	ASTM D6904	Pass
Water Vapour Permeance	ASTM E96	1030 ng/Pa.s.m ² (18 Perms)
V.O.C.	40 CFR 59.406	< 50 g/lit (<0.42 lbs/gal)
Freeze-Thaw Stability	ASTM C67	Pass 50 cycles
Flexibility	ASTM D522	Pass
% Solids		53% +/- 2%
UV Exposure		No cracking
Accelerated Weathering	ASTM G155	Pass 2500 hrs.

Packaging Durex® ACR Smooth Metallic is packaged in 18.9 L (5 gal) pails. Durex® ACR Smooth Metallic is available in a multitude of standard colours and custom colour matching is available upon request.

Storage Store Durex® ACR Smooth Metallic in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness, moisture and away from direct sunlight. **KEEP FROM FREEZING. DISCARD ANY FROZEN MATERIALS.**

Application Substrate to be treated must be dry, solid, clean, and free of weak and powdery surfaces, free from ice, snow, dew and frost, oil, grease, and other deleterious materials detrimental to a positive bond. Consult

Durabond Products Limited for questionable surfaces. Thoroughly stir Durex[®] ACR Smooth Metallic in its own pail before each use. Discard all frozen materials, materials that have formed solid lumps at the bottom of the container, and materials that do not appear to be of a homogeneous viscosity.

APPLICATION TOOLS

Brush – synthetic bristles (nylon, polyester)

Lint free roller – 15 - 30 mm (5/8"-1-1/4")

Spray (Airless equipment) – tip size: 0.013 to 0.019 in - Pressure: 2300 – 2700 psi *Spray recommendations may vary from figures listed depending on equipment manufacturer.

Recommended Dry Film Thickness: 1.5 – 2.0 mils per coat. Wet Film Thickness 3.5-4.5 mils per coat.

Apply the paint with several passes of the brush, roller or spray gun, evenly spreading the paint over the entire surface. Allow a minimum of 24 hours for drying between coats.

DO NOT SUBSTITUTE NOR COMPENSATE ACR SMOOTH METALLIC WITH WATER OR OTHER ADDITIVES.

Limitations

Durex[®] ACR Smooth Metallic is not recommended for use:

- Over previously treated surfaces without proper preparation
- Surfaces where oils and other contaminants are present
- When ambient, surface, and material temperatures are below 5°C (41°F) during application and curing period
- Under hot sun conditions or areas of high humidity
- For 48 hours prior to, during, and for minimum 24 hours after inclement weather conditions

Clean-up

Clean all tools promptly after each use with clean water. Do not allow paint to dry on tools. Durex[®] Cleaning Solution CS-100 is available to aid cleaning of soiled areas where the Durex[®] ACR Smooth Metallic has dried.

Health and Safety

For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

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 Products Ltd. sales representative.

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