

Durex® Ecto-Sil

Elastomeric High-Build Decorative Silicone Coating

- Description** Durex® Ecto-Sil Elastomeric High-Build Decorative Silicone Coating is a high-solids, breathable-silicone elastomeric coating for use in vertical above-grade waterproofing applications. It can be used to provide a durable, long-term, watertight, weatherproof barrier that resists colour fade, chalking and degradation from natural weathering.
- Uses** Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating is used as an architectural decorative coating for above-grade wall surfaces such as concrete, stucco, masonry, urethane foam, wood, EIFS, and various painted surfaces. Durex® Ecto-Sil 1000 also has graffiti-resistant properties and can be used as an anti-graffiti coating. Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating can be applied over a variety of substrates. Contact Durabond Technical Services for further information.
- Ideal For**
- Decorative coating to rejuvenate and weatherproof exterior wall facades
 - Waterproofing membrane for difficult intersecting walls and/or roof details
 - Modernize exterior appearances
 - Stop water intrusion and minimize air leakage through exterior cladding systems
 - Pigmented graffiti-resistant coating applications
- Features**
- Low VOCs, non-toxic
 - Breathable water-resistive air barrier
 - Durable coating, resistant to UV degradation and weathering
 - Easy to apply, tack free in 4 hours
 - Excellent colour retention
 - Excellent adhesion to most common construction surfaces
 - Resists graffiti

TECHNICAL DATA

PHYSICAL PROPERTIES

Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options.
Product Type	Silicone-based elastomeric decorative coating
Appearance	Heavy-bodied, paint-like consistency
Dry Film Thickness	10-15 mils (2 coats)
Coverage Rate	2.6 m ² /L (106 ft ² /gal) @ 10 mils DFT (16 mils WFT – varies by substrate)
Viscosity	9,000 to 12,000 cps
Specific Gravity	1.21 g/mL (10.12 lb/gal)
Density	1.25 g/mL (10.45 lb/gal)
Volatile Organic Content (VOC)	VOC 70 g/L; non-toxic
Tack-Free Time	2 hours
Min. Application Temperature	-10°C
Shelf Life	2 years

PERFORMANCE PROPERTIES

TEST METHOD

RESULTS

Percent Solids	ASTM D2697	65%
Vapour Permeance	ASTM D1653	437.4 ng/Pa.s.m ²
	ASTM E96	268.1 ng/Pa.s.m ²
Elongation	ASTM D412	400%
Crack Bridging		1.6 – 2 mm
Adhesion		220 Newton axial load: Pass

Packaging	Durex® Ecto-Sil 1000 Silicone Elastomeric High-Build Decorative Coating is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) units. 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® Ecto-Sil 1000 Silicone Elastomeric High-Build Decorative Coating in a dry, vented, waterproof location, off the ground, out of direct sunlight and other detrimental conditions.
Surface Preparation	Clean surfaces with a wire brush and/or power washer 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. Clean and remove paint back to the original surface. New concrete and masonry mortar should be allowed to cure for a minimum of 30 days. Non-porous substrates such as steel, aluminum and galvanized metal shall be cleaned with an appropriate solvent wipe. 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.
Application	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. Membrane may be applied at ambient temperatures as low as minus 10 degrees C, lower temperatures will lengthen cure times. Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating can be applied using rollers, power rollers, brushes or power sprayers. For best results use phenolic core rollers. Rollers should be solvent resistant and have a nap of 19 mm to 31 mm (3/4 to 1 1/4 inch) in order to achieve the coverage rate. Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating may be slippery when wet and is not recommended for use on walking surfaces. 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. Contact Durabond Technical Services for power roller and/or power spray equipment information.
Film Thickness	For vertical applications, apply Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating in two (2) coats each at a coverage rate of 6 to 8 mils wet to obtain a minimum Dry Film Thickness (DFT) of 10 mils. Subsequent coats may be applied when the previous coat is dry to the touch (approximately 2 hours for 6 to 8 mils). Longer curing time may be required for heavier coats and cooler temperatures. For horizontal applications, Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating may be applied in one (1) coat at a coverage rate of 15 to 20 mils wet.
Clean-Up	Clean-up of equipment containing uncured material may be accomplished by flushing with mineral spirits. Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating should not be left in pumping equipment and hoses for a prolonged period of time, unless all hoses are TEFLON® lined, all piping connections are sealed with TEFLON® and all pump seals are TEFLON®.
Maintenance	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.
Limitations	Durex® Ecto-Sil 1000 Elastomeric High-Build Decorative Silicone Coating may be slippery when wet and is not recommended for use on walking surfaces. It is recommended to provide a perimeter drip edge for horizontal applications to minimize the visual effects of water runoff. Do not use in locations subject to continuous water immersion.
Health and Safety	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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