

# Durex Ecto-Sil

## Elastomeric High Build Decorative Silicone Coating

<b>Description</b>	Durex® Ecto-Sil is a high solid, breathable elastomeric high build decorative silicone 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.
<b>Uses</b>	Durex® Ecto-Sil 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 also has graffiti-resistant properties and can be used as an anti-graffiti coating. Durex® Ecto-Sil can be applied over a variety of substrates. Contact Durabond Technical Services for further information.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>• Decorative coating to rejuvenate and weatherproof exterior wall facades</li> <li>• Waterproofing membrane for difficult intersecting walls and/or roof details</li> <li>• Modernize exterior appearances</li> <li>• Stop water intrusion and minimize air leakage through exterior cladding systems</li> <li>• Pigmented graffiti-resistant coating applications</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low VOCs, non-toxic</li> <li>• Breathable water-resistive air barrier</li> <li>• Durable coating, resistant to UV degradation and weathering</li> <li>• Easy to apply, tack-free in 4 hours</li> <li>• Excellent colour retention</li> <li>• Excellent adhesion to most common construction surfaces</li> <li>• Resists graffiti</li> </ul>

### TECHNICAL DATA

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

PERFORMANCE PROPERTIES	METHOD	RESULTS
<b>Percent Solids</b>	ASTM D2697	65%
<b>Vapour Permeance</b>	ASTM E96	11 perms
<b>Elongation</b>	ASTM D412	400%
<b>Crack Bridging</b>		1.6 – 2 mm
<b>Adhesion</b>		220 Newton axial load: Pass

**Packaging** Durex® Ecto-Sil is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) units. This product is available in multitude of standard colours and Custom colour matching is available upon request. Please refer to the *Durex® Colour Selection Guide* for all available colour options.

**Storage** Store Durex® Ecto-Sil 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.

<b>Application</b>	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 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 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.
<b>Film Thickness</b>	For vertical applications, apply Durex® Ecto-Sil 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 may be applied in one (1) coat at a coverage rate of 15 to 20 mils wet.
<b>Clean-up</b>	Clean up of equipment containing uncured material may be accomplished by flushing with mineral spirits. Durex® Ecto-Sil 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®.
<b>Maintenance</b>	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.
<b>Limitations</b>	Durex® Ecto-Sil 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.
<b>Health and Safety</b>	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.
<b>Warranty</b>	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.
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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