

Durex® Ecto-Sil WB

Hybrid Silicone-Acrylic Elastomeric Exterior Wall Coating

- Description** Durex® Ecto-Sil WB is a waterborne, hybrid silicone-acrylic, high-performance elastomeric coating. It is formulated as a roller- and spray-applied coating for exterior walls and non-traffic horizontal surfaces with a slope greater than 2%. Durex® Ecto-Sil WB provides outstanding protection against wind-driven rain and offers excellent adhesion over a variety of substrates. Durex® Ecto-Sil WB has superior vapour permeance, crack-bridging capabilities and is highly resistant to colour fading, chalking or degradation from natural weathering.
- Uses** Durex® Ecto-Sil WB is an elastomeric architectural coating formulated to prevent the ingress of water on vertical and non-traffic horizontal surfaces with a slope greater than 2%. Intended for use on concrete, EIFS, stucco, masonry, wood and a variety of previously painted surfaces. Durex® Ecto-Sil WB can be applied over, but not limited to, the following substrates:
- Poured concrete, concrete block, brick, stone, precast, exposed aggregate surfaces and all other types of above-grade cementitious substrates
 - Over solid clean above-grade substrates, including stucco with cracks not greater than 1.6 mm (1/16") wide
 - Exterior Insulation & Finish Systems (EIFS)
- Features**
- Waterborne, simple clean-up and safe to handle
 - Excellent waterproofing elastomeric coating
 - Can be recoated and/or over-coated with any Durex® Architectural & Protective Coating
 - Permeable to water vapour
 - Extremely breathable, excellent control of moisture build-up within walls
 - Vapour Jacket Technology – Water Vapour Transmission of 1716 Ng/Pa.s.m² (30 Perms) or greater
 - High resistance to blistering and/or peeling
 - V.O.C. compliant (Volatile Organic Compounds), low odour
 - Excellent UV resistance, outstanding exterior durability, chalk resistance and tint retention
 - Extreme flexibility – means long-lasting crack-bridging at low or high temperatures
 - Excellent dirt pickup resistance while maintaining attractive appearance
 - Water contact angle > 90°, low coefficient of friction (COF < 0.3)
 - Superior colour-fading resistance. 30% lower colour fading vs. high-quality acrylic latex coatings – can be enhanced using our Durex® Kolor Gard Technology
 - Excellent resistance to efflorescence and algae growth

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Please see <i>Durex® Colour Selection Guide</i> for available colour options.
Product Type	Silicone-based elastomeric wall coating
pH	8.0 – 9.0
Dry Film Thickness	10-12 mils (2 coats)
Coverage Rate	1.7-2.0 m ² /L @ 250-300 μ 70-80 ft ² /US gal @ 10-12 mils
Drying Time	1 hr – to touch/recoat 7 days – full cure
Reducer/Clean Up	Water
Tack-Free Time	2 hours
Water Absorption (6 hours max.)	11 (max % wt gain)

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D2369	60% by weight 51% by volume
Water Vapour Permeance	ASTM D1653	1716 ng/Pa.s.m ² (30 perms)
Elongation	ASTM D412	700%
Tensile Strength		1.6 MPa (237 psi) @ 24°C (75°F)
Fungus Resistance	ASTM D3274	No growth
Viscosity	ASTM D2196	23°, 5000 Counterpoise
Specific Gravity	ASTM D1475	1.1 – 1.4 g/L (9.0 – 11.0 lb/gal)
Volatile Organic Content (VOC)	ASTM 3960	<40 grams/Litre (0.34 lb/gal)
Low Temp Flex	ASTM D711	-½" Mandrel @ -34°C/-30°F pass 1/8" Mandrel @ -26°C/-15°F pass
Wind Driven Rain Exposure	ASTM D6904	Pass (2 coats)

Packaging Durex® Ecto-Sil WB 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 WB in a dry, vented, waterproof location, off the ground, out of direct sunlight and other detrimental conditions.

Surface Preparation Clean surfaces by power washing using a minimum of 13.78 Mpa (2,000 psi) pressure at the nozzle and/or other mechanical means such as grinding or wire brushing, to remove dirt, loose materials, existing coatings, debris and other deleterious substances. Allow surfaces to thoroughly dry prior to coating application. Fill cracks and holes using Durex® Dur-A-Patch or Durex® Knife Grade EMC. Retool mortar joints to provide a smooth uniform surface. New concrete and masonry mortar should be allowed to cure for a minimum of 28 days. All surfaces to be coated must be primed using Durex® Dur-X-Cel Primer. 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 verify product adhesion to the surface. Do not proceed with application prior to, during, or after inclement weather conditions, or if adverse weather is anticipated within 24 hours after application. Use a high-quality synthetic nylon bristle brush, polyester roller with a 15-31 mm (¾"-1-¼") nap, or airless spray to apply an even uniform coat of Durex® Ecto-Sil WB and allow it to dry for a period of 24 hours. Apply a second coat of Durex® Ecto-Sil WB using one of the previously described methods. Make sure to finish roller applications in the same angle to reduce visual surface texture differences.

Note: Film Formation of Durex® Ecto-Sil WB depends on temperature and humidity. Minimum film formation temperature is 10°C (50°F) and maximum relative humidity is 60%. As a rule, lower temperature and higher relative humidity will result in a longer curing time.

Clean-up Wash all tools and equipment immediately with warm water.

Health and Safety Durex® Ecto-Sil WB is non-toxic and non-flammable. However, we recommend the use of rubber gloves when handling this product. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice 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. Consult Durabond Products Limited 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 Products Ltd. sales representative.

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