

# Durex® Epoxane

## Marine-Grade Exterior Metal & Concrete Protective Coating

<b>Description</b>	Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating is a two-component, epoxy-hybrid coating specially formulated to perform in off-shore salt water environments. It is strongly recommended where superior UV, weathering and corrosion resistance are demanded.
<b>Uses</b>	Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating is used as a corrosion-resistant coating for marine and salt water environments. It is also an excellent protective floor and wall coating for chemical plants. Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating is used to protect a variety of surfaces, namely steel, non-ferrous metals and concrete.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>· Offshore marine surfaces</li> <li>· Tanks and pipe lining</li> <li>· Metal, aluminum and structural steel</li> <li>· Concrete walls and floors, both interior and exterior</li> <li>· Industrial facilities including chemical plants and oil/gas refineries</li> <li>· Coating for railcars, buses and trucks</li> <li>· Anti-graffiti coating</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>· Corrosion resistant; designed specifically for demanding offshore marine applications</li> <li>· High-tear resistance and tensile strength</li> <li>· Excellent adhesion to metal, steel and aluminum</li> <li>· Abrasion resistant and UV resistant</li> <li>· Very low VOC</li> <li>· Isocyanine free</li> <li>· Resistant to moisture</li> <li>· Outstanding gloss retention</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES		
<b>Colour</b>	Please see <i>Durex® Colour Selection Guide</i> for available colour options.	
<b>Resin Type</b>	Epoxy hybrid	
<b>Coverage</b>	7 m <sup>2</sup> /L (300 ft <sup>2</sup> /gal) @ 5 mils DFT	
<b>Recommended Film Thickness</b>	5-8 mils	
<b>Cure Time @ 23°C (75°F), 55% RH</b>	To touch: 6-8 hours Light traffic: 24 hours Fully cured: 7 days	
<b>Mix Ratio</b>	7:1 by volume	
<b>Part A (Resin):Part B (Catalyst)</b>		
<b>Pot Life @ 23°C (75°F)</b>	6 hours	
<b>Reducer/Clean-Up</b>	Lacquer thinner or IPA	
PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
<b>Percent Solids</b>	ASTM D7232-06	90% (vol.)
<b>Viscosity (Brookfield) 23°C (75°F)</b>	ASTM D2196	60-75 KU
<b>V.O.C.</b>	ASTM D3960-05	< 40 g/L
<b>Specific Gravity</b>	ASTM D333	1.07 ± 0.01 g/L 8.90 ± 0.01 lb/gal
<b>Compressive Strength</b>	ASTM 695-85	10,370 psi
<b>Tensile Strength</b>	ASTM 695-85	3,500 psi
<b>Tensile Modulus</b>	ASTM 638-86	145 psi
<b>Elongation</b>	ASTM D638-86	20%
<b>Flexural Modulus</b>	ASTM D790-86	383 psi
<b>Abrasion Resistance</b>	ASTM D4060-90	35 mg
<b>Mar Resistance</b>	ASTM D5178-91	1.0 kg
<b>Water Immersion, 38 c, 500 Hr.</b>	ASTM D870	Pass, no blister; 200 microns DFT
<b>QUV Weathering, Gloss Retention</b>	ASTM D4587	300 Hr. initial; 90% final, 41% no Chalking-colour retention (delta) 3.8

<b>Packaging</b>	Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits. 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.
<b>Storage Conditions</b>	Store Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective 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. <b>KEEP FROM FREEZING.</b>
<b>Surface Preparation</b>	All surfaces to be coated must be free of dirt, oils and any other contaminants that may prevent proper adhesion of Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating. For ultimate surface adhesion, mechanical abrasion followed by solvent wipe is recommended. Already painted surfaces must be removed either mechanically or chemically using effective paint stripper. Hard and glossy surfaces must be abraded to improve adhesion of the coating. Test all surfaces to ensure proper adhesion to the substrate.
<b>Application</b>	Pour seven (7) parts by volume of Part “A” resin into a container and one (1) part by volume of Part “B” catalyst. Blend the mixture for at least two (2) minutes using a power mixer. Once mixed, Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating must be applied within 20 minutes. Do not mix Part “A” with Part “B” until ready to begin application. Always have a proper estimate of the quantity required to cover the designated surface. Use a good quality synthetic brush or a lint-free 12.7 mm (1/2 in.) nap roller cover to apply an even coat of Durex® Epoxane Marine-Grade Exterior Metal & Concrete Protective Coating. Maintain a wet edge to prevent overlap marks and gloss differences.
<b>Clean-Up</b>	Wash all tools and equipment immediately after use with mineral spirits.
<b>Health and Safety</b>	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.
<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 Technical Coatings Ltd sales representative.



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