

Durex® Epotel WB DTM

Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating

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| Description | Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating is a two-component, very versatile, water-based high-performance metal coating. |
| Uses | Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating can be used over a variety of metal surfaces to prevent the corrosion of steel and various metals. In exterior applications, Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating must be coated with Durex® Aquathane Pigmented Water-Based Acrylic/Urethane Coating for UV stability. |
| Ideal For | <ul style="list-style-type: none"> Direct-to-metal coating for general industry corrosion protection of steel Aluminum and steel structure metal primer |
| Features | <ul style="list-style-type: none"> Water based Zero to low VOCs and odour free Excellent adhesion to metal and a wide variety of substrates Non-flammable Outstanding water pounding and chemical resistance Good leveling, flow and microform-free properties Good anti-corrosion properties |

TECHNICAL DATA

PHYSICAL PROPERTIES

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| Colour | Please see <i>Durex® Colour Selection Guide</i> for available colour options. |
| Resin Type | Water-based Epoxy |
| Coverage | 7 m ² /L (400 ft ² /gal) @ 2 mils DFT |
| Cure Time @ 23°C (75°F), 55% RH | To touch: 12 hours To recoat: 16 hours Light traffic: 24 hours Fully cured: 7 days |
| Mix Ratio | 1:3 by volume |
| Part A (Resin):Part B (Catalyst) | |
| Pot Life | < 3 hours |
| pH Level | 9-10 |
| Reducer/Clean-Up | Water |

PERFORMANCE PROPERTIES

| PERFORMANCE PROPERTIES | TEST METHOD | RESULTS |
|---|---------------|---|
| Percent Solids | ASTM D7232-06 | 70 ± 2% (vol.) |
| Viscosity (Brookfield) 23°C (75°F) | ASTM D2196 | 2,000 cps |
| V.O.C. | ASTM D3960 | < 20 g/L |
| Specific Gravity | ASTM D333 | 1.07 ± 0.01 g/L 8.90 ± 0.01 lb/gal |
| Flow Out (cm) | | 15.00 (50 x 24 mm disc; 2 min flow out) |

Packaging Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) pails. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the *Durex® Colour Selection Guide* for all available colour options.

Storage Conditions Store Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal 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. **KEEP FROM FREEZING.**

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| Surface Preparation | All surfaces to be coated must be mechanically abraded, solvent-wiped and free of dirt, oils or any other contaminants that may prevent proper adhesion of Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating. Inspect the surface for any contamination. Grease or oil should be removed by solvent in accordance with SSPC-SP1 or ASTM D 609 for steel surface and ASTM D 1730 for aluminum and alloy. Blast-cleaning is recommended for entire surface and weld seams SSPC-SP 6 or NACE 3. |
| Mixing Instructions | <p>Add three (3) parts of Part “B” (catalyst) to one (1) part of Part “A” (resin) and agitate with a mixing drill for two (2) minutes. Make sure all materials are homogenously mixed.</p> <p>Note: Induction time required: Wait 30 minutes after mixing Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating before applying.</p> |
| Application | Air or airless spray is recommended (use tip range 0.3 – 0.6 mm) at 2,500 psi. HVLP spray guns are recommended for better atomization and uniformity. Reduction of viscosity is possible with up to 6% total weight with water by gently manually mixing water with blended Part “A” & “B” after 30 minutes induction period. Brush and roller can also be used for small areas (with typical 3-5 mils [75-125 microns] wet film thickness). |
| Clean-Up | Wash all tools and equipment immediately after use with warm water. |
| Limitations | Durex® Epotel WB DTM Water-Based Epoxy Corrosion-Resistant Direct-to-Metal Coating must be applied when surrounding temperature is 5 degrees C minimum and Relative Humidity is less than 60%. Do not let the mixed paint stand for more than 4 hours. If product is used beyond the recommended pot life (2-3 hours), paint may appear to have uneven gloss and colour, and higher viscosity (thicker consistency). |
| Health and Safety | Use under well-ventilated conditions with 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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