

# DTM Water Based Epoxy

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	One Component water-based epoxy
<b>Description</b>	A direct to metal epoxy coating that provides excellent protection against corrosion on steel and other metal substrates.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Water based with low VOC's (&lt;1lb./gallon)</li> <li>• Very stable</li> <li>• Environmentally friendly</li> <li>• Worker friendly</li> </ul>
<b>Typical Uses</b>	• DTM primer/finish coat
<b>Color/Part #</b>	Gray
<b>Finish</b>	Satin
<b>Dry Film Thickness</b>	2.0-3.0 mils per coat
<b>Solids Content</b>	By weight 52-54% By volume 40-42%
<b>Theoretical Coverage Rate</b>	650 ft <sup>2</sup> at 1.0 mil DFT
<b>Limitations</b>	Protect from freezing Not for immersion service

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminant.
<b>Previous Painted Surfaces</b>	Consult with ErgonArmor Technical Service Department.

## MIXING & THINNING

<b>Mixing</b>	Mild agitation prior to spraying
<b>Thinning</b>	Generally not required.
<b>Ratio</b>	Single component

Protect from freezing. Use in temperatures of 50°F or higher for best performance. Do not store product outside.

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modification to these guidelines to achieve the desired results.

<b>Application Methods</b>	DTM Water-Based Epoxy is designed for spray application using airless equipment.
<b>Airless Spray</b>	For best results under a wide variety of spray conditions, a 15:1 or higher ratio pump is recommended.
<b>Tip Size</b>	0.015" orifice tip size is recommended.
<b>Hose L/D</b>	200 ft (max) x 3/8" diameter
<b>Whip L/D</b>	6 ft (max) x 1/4" diameter
<b>Pump Packings</b>	Teflon/UHMWP packings in the spray pump are recommended.
<b>Film Thickness</b>	A film thickness of up to 8 mils wet can be achieved on vertical surfaces without sagging.
<b>Brush/Roller</b>	Can be brush or roller applied.
<b>Dry to Touch</b>	3 mil film thickness is 20 minutes at 72°F. Cure times are shortened with air movement over the coating. Cure time will increase with thicker films.
<b>Dry Hard</b>	3 mil film thickness is 40 minutes at 72°F. Cure times are shortened with air movement over the coating. Cure time will increase with thicker films.

## CLEANUP & SAFETY

<b>Cleanup</b>	Tools and hands should be cleaned with soap and water before the emulsion sets. Dried material can be cleaned with MEK. Spray equipment should be flushed with soapy water then fresh water.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the SDS for this product. Use care in handling solvents.
<b>Ventilation</b>	Use in well ventilated areas.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	6 months when kept at recommended storage conditions and in original unopened containers.
<b>Shipping Weight (Approximate)</b>	53 gallon drum-593 lbs. 275 gallon fiber tote-3013 lbs. 275 gallon IBC tote-3008 lbs.
<b>Storage Temperature &amp; Humidity</b>	50°-110°F
<b>Storage</b>	Protect from freezing. Do not store product outside. Store indoors.

## TYPICAL PHYSICAL PROPERTIES

Density, lbs/gal	10.25-10.65
Solids, % by weight	52-54%
Solids, % by volume	40-42%
Specific Gravity	1.255
Dry to Touch, 73°F, 3 mils	20 minutes
Dry Hard, 73°F, 3 mils	40 minutes
Viscosity, 7F, cps	1400-2400
Color	Black
Resistance to Oils, Greases & Solvents	Good
VOC	<100g/l
Flash Point	>200°

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**SAFETY**  
Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. Please contact ErgonArmor for further information at 877.982.7667 or FAX 601-933-3381. For all Terms and Conditions of Sale see [ergonarmor.com](http://ergonarmor.com).

**ORDERING INFORMATION**  
For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.



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