

## SELECTION & SPECIFICATION DATA

<b>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 VOCs (&lt;1lb/gal)</li> <li>• Very stable</li> <li>• Environmentally friendly</li> <li>• Worker friendly</li> </ul>
<b>Uses</b>	DTM primer/finish coat
<b>Color</b>	Gray
<b>Finish</b>	Satin
<b>Dry Film Thickness (DFT)</b>	2.0 – 3.0 mils per coat
<b>Solids Content</b>	52 – 54% by weight 40 – 42% by volume
<b>Theoretical Coverage Rate</b>	650 square feet per gallon at 1.0 mil DFT
<b>Limitations</b>	Protect from freezing Not for immersion service

## SUBSTRATES & SURFACE PREPARATION

<b>All</b>	Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminants.
<b>Previously 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

## APPLICATION EQUIPMENT GUIDELINES

<b>Application Methods</b>	Ertech 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 in orifice tip size
<b>Hose L/D</b>	200 ft (max) x 3/8 in diameter
<b>Whip L/D</b>	6 ft (max) x 1/4 in diameter

<b>Pump Packings</b>	PTFE/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>Temperature</b>	Use in temperatures of 50°F (10°C) or higher for best performance.
<b>Dry-To-Touch</b>	3 mil film thickness is 20 minutes at 72°F (22°C). 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 (22°C). 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>	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 safety data sheets before using.
<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>Package Sizes &amp; Shipping Weight</b>	53 gallon drum – 593 lbs (269 kg) 275 gallon fiber tote – 3013 lbs (1366 kg) 275 gallon IBC tote – 3008 lbs (1364 kg)
<b>Storage Temperature</b>	50°F – 110°F (10°C – 43°C)
<b>Storage</b>	Protect from freezing. Do not store product outside. Store indoors.

## TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	10.25 – 10.65 lbs/gal
Solids by weight ASTM D5201-05a	52 – 54%
Solids by volume ASTM D5201-05a	40 – 42%
Specific gravity	1.255
Dry-to-touch, 73°F (23°C) ASTM D5895-96	20 minutes at at 3 mils
Dry hard, 73°F (23°C)	40 minutes at 3 mils
Viscosity, 73°F (23°C) ASTM D2983-19	1400 – 2400 cps
Resistance to oils, greases & solvents	Good
VOC ASTM D3960-05	<100 g/l
Flash point ASTM D93-18	>200°F (93.3°C)

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