

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Non-fibered Asphalt Emulsion
<b>Description</b>	Ertech 1200 is a high performance water-based asphaltic emulsion coating for steel and ductile iron. Ertech 1200 can be used universally on the inside or outside diameter of ductile iron pipe as well as on steel. This product is formulated to yield little to no VOC and provide excellent corrosion protection.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Water-based with low VOCs</li> <li>• Very stable - no settling or separation</li> <li>• Environmentally friendly</li> <li>• Worker friendly</li> <li>• NSF approved</li> </ul>
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Underbody coating</li> <li>• Pipe and castings coating</li> <li>• General corrosion protection</li> <li>• Moisture barrier</li> </ul>
<b>Color</b>	Black
<b>Finish</b>	Glossy/matte
<b>Primer</b>	Self-priming
<b>Dry Film Thickness (DFT)</b>	1.5 – 4 mils per coat
<b>Solids Content</b>	55.07% by weight 48.93% by volume
<b>Theoretical Coverage Rate</b>	505 square feet per gallon at 1 mil DFT
<b>Maximum Dry Temperature Resistance</b>	300°F (149°C)
<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>	Not required
<b>Thinning</b>	Generally not required. Product is thixotropic and will thin under shear. If a reduction in static viscosity is desired, agitate to thin. The addition of water is not recommended for spray application. When applying by dip application, the addition of water is recommended to maintain a solids level of 41% by weight in the dip tank.

**Ratio** Single component

## APPLICATION GUIDELINES

<b>Spray Application</b>	Ertech 1200 is supplied as dip consistency but can also be sprayed, rolled, or brushed.
<b>Airless Spray</b>	For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.
<b>Tip Size</b>	A 0.019 in orifice tip size is recommended.
<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>Brush/Roller</b>	Ertech 1200 can be brush or roller applied.
<b>Dip Tank</b>	Ertech 1200 can be applied in dip tank
<b>Dry-To-Touch</b>	30 minutes at 77°F (25°C). Dry times are decreased with air movement over the coating.
<b>Full Cure</b>	24 – 48 hours at 77°F (25°C). Cure times are decreased with air movement over the coating.

## 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 mineral spirits. Spray equipment should be flushed with soapy water then fresh water for short periods of non-use. For longer periods of non-use, a final flush using mineral spirits is recommended.
<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 at 75°F (24°C) when kept at recommended storage conditions and in original unopened containers.
<b>Package Sizes &amp; Shipping Weights</b>	5 gallon pail – 45 lbs (20 kg) 53 gallon drum – 517 lbs (235 kg) 275 gallon fiber tote – 2615 lbs (1186 kg) 275 gallon IBC tote – 2610 lbs (1184 kg)
<b>Storage Temperature</b>	50°F – 110°F (10°C – 43°C)
<b>Storage</b>	Store in conditions that exceed freezing temperatures.

## TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	9.468 lbs/gal
Solids by weight ASTM D5201-05a	55.072%
Solids by volume ASTM D5201-05a	48.93%
Specific gravity	1.08
Dry-to-touch, 77°F (25°C) ASTM D5895-96	30 minutes
Full cure, 77°F (25°C)	24 – 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	500 – 700 cps
Resistance to oils, greases & solvents	Poor
VOC	<0.2 lbs/gal max

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