

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Polymer Modified Asphalt Emulsion
<b>Description</b>	A trowel and spray grade blend of polymer and emulsified asphalts that provide a tough, monolithic, rubberized waterproof fire retardant membrane on steel, cementitious, modified bitumen and other substrates.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Water-based with low VOCs</li> <li>• High elongation and tensile strength</li> <li>• Puncture resistant</li> <li>• Low permeation rates</li> <li>• Excellent chemical resistance</li> <li>• Sag resistant</li> <li>• Easily repairable</li> <li>• Flame spread resistant</li> </ul>
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Waterproofing</li> <li>• Roofing</li> <li>• Moisture/vapor barrier</li> <li>• Secondary containment</li> <li>• Tank chime sealant</li> <li>• Retainage ponds</li> </ul>
<b>Color</b>	Black
<b>Finish</b>	Matte
<b>Primer</b>	Self-priming
<b>Dry Film Thickness (DFT)</b>	10 – 30 mils per coat
<b>Solids Content</b>	58% by weight 56% by volume
<b>Maximum Dry Temperature Resistance</b>	300°F (149°C)
<b>Limitations</b>	Protect from freezing

## SUBSTRATES & SURFACE PREPARATION

<b>All</b>	Substrate must be clean, dry and free of contaminants.
<b>Previously Painted Surfaces</b>	Consult with ErgonArmor Technical Service.

## MIXING & THINNING

<b>Mixing</b>	Not required
<b>Thinning</b>	Do not thin
<b>Ratio</b>	Single component

## APPLICATION GUIDANCE

<b>Spray Application Guide</b>	Ertech 3137 is designed for brush, roller or airless spray equipment.
<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 0.025-inch orifice tip size is recommended.
<b>Hose L/D</b>	200 ft (max) x 3/8-inch diameter
<b>Whip L/D</b>	6 ft (max) x 1/4-inch diameter
<b>Film Thickness</b>	A film thickness of up to 45 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>	2 – 4 hours at 77°F (25°C). Cure times are shortened with air movement over the coating.
<b>Full Cure</b>	24 – 48 hours at 77°F (25°C). Cure times are shortened with air movement over the coating.

## PACKAGING, ESTIMATING & HANDLING

ITEM #	PACKAGING
M-3137-000-001	Bulk - LB
M-3137-005-001	Pail - 5 gallons
M-3137-053-001	Drum - 53 gallons
<b>Theoretical Coverage Rate</b>	898 square feet per gallon at 1 mil DFT
<b>Storage &amp; Shelf Life</b>	Estimated shelf life is 6 months when stored in a dry area at 75°F (24°C). Actual shelf life may vary with storage conditions. Do not store below 50°F (10°C) or above 95°F (35°C). Protect from freezing. Do not store product outside. Store indoors.

## TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	8.7 lbs/gal
Solids by weight ASTM D5201-05a	58%
Solids by volume ASTM D5201-05a	56%
Specific gravity	1.04
Dry-to-touch, 77°F (25°C) ASTM D5895-96	2 – 4 hours
Full cure, 77°F (25°C)	24 – 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	75,000 cps
Resistance to oils, greases & solvents	Poor
VOC ASTM D3960-05	0.2 lbs/gal max
Permeance 60 mils nominal ASTM E96 A method	0.14 perms
Permeance 60 mils nominal ASTM E96 B method	0.08 perms
Hydrostatic pressure resistance 60 mils nominal ASTM C1306	39.2 psi
Low temperature crack bridging 60 mils nominal ASTM C836	Pass
Immersion test 60 mils nominal ASTM D870-09	Pass
Tensile strength ASTM D2370-16	87 psi
Elongation ASTM D412-16	>1, 573%

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