

SELECTION & SPECIFICATION DATA

Type	Polymer Modified Asphalt Emulsion
Description	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.
Features	• Water-based with low VOCs • High elongation and tensile strength • Puncture resistant • Low permeation rates • Excellent chemical resistance • Sag resistant • Easily repairable • Flame spread resistant
Uses	• Waterproofing • Roofing • Moisture/vapor barrier • Secondary containment • Tank chime sealant • Retainage ponds
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	10 - 30 mils per coat
Solids Content	58% by weight 56% by volume
Maximum Dry Temperature Resistance	300°F (149°C)
Limitations	Protect from freezing

SUBSTRATES & SURFACE PREPARATION

All	Substrate must be clean, dry and free of contaminants.
Previously Painted Surfaces	Consult with Armor Technical Service.

MIXING & THINNING

Mixing	Not required
Thinning	Do not thin
Ratio	Single component

APPLICATION GUIDANCE

Spray Application	Ertech 3137 is designed for brush, roller or airless spray equipment.
Airless Spray	For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.
Tip Size	0.025-inch orifice
Hose L/D	200 ft (max) x 3/8-inch diameter
Whip L/D	6 ft (max) x 1/4-inch diameter
Film Thickness	A film thickness of up to 45 mils wet can be achieved on vertical surfaces without sagging.
Brush/Roller	Can be brush or roller applied.
Temperature	Use in temperatures of 50°F (10°C) or higher for best performance.
Dry-To-Touch	2 - 4 hours at 77°F (25°C). Cure times are shortened with air movement over the coating.
Full Cure	24 - 48 hours at 77°F (25°C). Cure times are decreased 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
Theoretical Coverage	898 square feet per gallon at 1 mil DFT
Storage & Shelf Life	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.

SAFETY

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 safety data sheets before using.
Ventilation	Use in well ventilated areas.

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 and solvents	Poor
VOC	0.2 lbs/gal maximum
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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