

SELECTION & SPECIFICATION DATA

Type	Polymer Modified Asphalt Emulsion
Description	A blend of polymer and emulsified asphalts that provides a tough, monolithic, rubberized waterproof fire retardant membrane on steel, cementitious, modified bitumen and other substrates.
Features	<ul style="list-style-type: none"> • Water-based with low VOCs • Rapid setting • High elongation and tensile strength • Puncture resistant • Low permeation rates • Excellent chemical resistance • Sag resistant • Easily repairable • UL Class A Flame Spread rating
Uses	<ul style="list-style-type: none"> • Waterproofing • Roofing • Moisture/vapor barrier • Secondary containment • Retainage ponds
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	20 – 70 mils per coat
Solids Content	60% by weight 59% 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 ErgonArmor Technical Service.

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.

MIXING & THINNING

Mixing	Gentle agitation recommended.
Thinning	Do not thin
Ratio	Two component. Set ratio through proprietary spray equipment. Consult with ErgonArmor Technical Service.
Cleanup	Tools and hands should be cleaned with diesel. Spray equipment should be flushed with diesel.

APPLICATION GUIDANCE

Spray Application	Ertech 3135 is designed for spray application using proprietary equipment that co-sprays Ertech 3135 and an accelerator that rapidly sets the sprayed film. For information on spray equipment consult with ErgonArmor Technical Service.
Film Thickness	A film thickness of up to 125 mils wet can be achieved on vertical surfaces without sagging. For applying films thicker than 125 wet mils, consult with ErgonArmor Technical Service.
Temperature	Use in temperatures of 50°F (10°C) or higher for best performance.
Brush/Roller	Use Ertech 3036/3037 which can be brush or roller applied for surface preparation.
Trowel	Use Ertech 3037 which can be trowel applied for surface preparation.
Dry-To-Touch	15 minutes at 77°F (25°C). Dry times are decreased 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-3135-000-001	Bulk - LB
M-3135-053-001	Drum - 53 gallons
M-3135-275IBC-001	IBC Tote - 275 gallons
Theoretical Coverage Rate	914 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.

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	8.5 lbs/gal
Solids by weight ASTM D5201-05a	60%
Solids by volume ASTM D5201-05a	59%
Specific gravity	1.02
Dry-to-touch, 77°F (25°C) ASTM D5895-96	15 minutes
Full cure, 77°F (25°C)	24 – 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	300 cps
Resistance to oils, greases & solvents	Poor
VOC ASTM D3960-05	0.2 lbs/gal max
Permeance 60 mils nominal ASTM E96 A method	0.11 perms
Permeance 60 mils nominal ASTM E96 B method	0.27 perms
Hydrostatic pressure resistance 60 mils nominal ASTM C 1360	40 psi
Immersion test 60 mils nominal ASTM D870-09	Pass
Tensile strength ASTM D2370-16	103 psi
Elongation ASTM D412-16	1,085%

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