

SELECTION & SPECIFICATION DATA

Type	Non-fibered Asphalt Emulsion
Description	A blend of selected mineral fillers, corrosion inhibitors, and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates at lower temperatures.
Features	<ul style="list-style-type: none"> • Water-based with low VOCs • Very stable - resists separating • Environmentally friendly • Worker friendly • Will wet out slightly oily surfaces • Low temperature formulation
Uses	<ul style="list-style-type: none"> • Underbody coating • General corrosion protection • Moisture barrier
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	3 - 10 mils per coat
Solids Content	38% by weight 35% by volume
Maximum Dry Temperature Resistance	300°F (149°C)
Limitations	Protect from freezing Not for immersion service

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	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.
Ratio	Single component
Cleanup	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.

APPLICATION GUIDANCE

Spray Application	Ertech 2038 is designed for spray application using airless equipment.
Airless Spray	For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.
Tip Size	0.021-inch orifice
Hose L/D	200 ft (max) x 3/8-inch diameter
Whip L/D	6 ft (max) x 1/4-inch diameter
Pump Packings	PTFE/UHMWP packings in the spray pump are recommended.
Film Thickness	A film thickness of up to 20 mils wet can be achieved on vertical surfaces without sagging.
Brush/Roller	Ertech 2038 can be brush or roller applied.
Temperature	Use in temperatures of 40°F (10°C) or higher for best performance.
Dry-To-Touch	2 - 4 hours 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-2038-000-001	Bulk - LB
M-2038-053-001	Drum - 53 gallons
M-2038-275IBC-001	IBC Tote - 275 gallons
Theoretical Coverage	561 square feet per gallon at 1 mil DFT
Storage & Shelf Life	Estimated shelf life is 3 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 110°F (43°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.
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Ventilation	Use in well ventilated areas.
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TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	8.8 lbs/gal
Solids by weight ASTM D5201-05a	38%
Solids by volume ASTM D5201-05a	35%
Specific gravity	1.06
Dry-to-touch, 77°F (25°C) ASTM D5895-96	2 - 4 hours
Full cure, 77°F (25°C)	2 - 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	3,000 cps
Resistance to oils, greases and solvents	Poor
VOC	0.2 lbs/gal maximum
Low temperature film formation	40°F (4°C)

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