

SELECTION & SPECIFICATION DATA

Type	Non-fibered Asphalt Emulsion
Description	A blend of selected mineral fillers and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates.
Features	<ul style="list-style-type: none"> • Water-based with low VOCs • Very stable - resists separating • Environmentally friendly • Worker friendly • Wets out slightly oily surfaces
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	50% by weight 43% by volume
Theoretical Coverage Rate	658 square feet per gallon at 1 mil DFT
Maximum Dry Temperature Resistance	300°F (149°C)
Limitations	Protect from freezing Not for immersion service

SUBSTRATES & SURFACE PREPARATION

All	Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminants.
Previously Painted Surfaces	Consult with ErgonArmor Technical Service Department.

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

APPLICATION GUIDELINES

Spray Application	Ertech 2031 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	A 0.021 in orifice tip size is recommended.
Hose L/D	200 ft (max) x 3/8 in diameter
Whip L/D	6 ft (max) x 1/4 in 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.
Temperature	Use in temperatures of 50°F (10°C) or higher for best performance.
Brush/Roller	Ertech 2031 can be brush or roller applied.
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.

CLEANUP & SAFETY

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.
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.

PACKAGING, HANDLING & STORAGE

Shelf Life	6 months at 75°F (24°C) when kept at recommended storage conditions and in original unopened containers.
Package Sizes & Shipping Weights	16 gallon keg – 162 lbs (73 kg) 53 gallon drum – 544 lbs (247 kg) 275 gallon fiber tote – 2753 lbs (1249 kg) 275 gallon IBC tote – 2748 lbs (1246 kg)
Storage Temperature	50°F – 110°F (10°C – 43°C)
Storage	Protect from freezing. Do not store product outside. Store indoors.

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	9.5 lbs/gal
Solids by weight ASTM D5201-05a	50%
Solids by volume ASTM D5201-05a	43%
Specific gravity	1.14
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	16,000 cps
Resistance to oils, greases & solvents	Poor
VOC	0.2 lbs/gal max

Rev 01/2020

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