

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 - no settling or separation • Environmentally friendly • Worker friendly • NSF approved
Uses	<ul style="list-style-type: none"> • Underbody coating • Pipe and castings coating • General corrosion protection • Moisture barrier
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	1.5 - 4 mils per coat
Solids Content	41% by weight 36% 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 for spray application. When applying by dip application, the addition of water is recommended to maintain a solids level of 41% by weight in the dip tank.
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 2034 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	0.019-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	Non-sagging up to 12 mils WFT on verticals.
Brush/Roller	Ertech 2034 can be brush or roller applied.
Dip Tank	Ertech 2034 can be applied in dip tank.
Temperature	Use in temperature of 50°F (10°C) or higher for best performance.
Dry-To-Touch	30 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-2034-000-001	Bulk - LB
M-2034-005-001	Pail - 5 gallons
M-2034-053-001	Drum - 53 gallons
M-2034-275IBC-001	IBC Tote - 275 gallons

Theoretical Coverage 577 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 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.

Ventilation Use in well ventilated areas.

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	9.0 lbs/gal
Solids by weight ASTM D5201-05a	41%
Solids by volume ASTM D5201-05a	36%
Specific gravity	1.08
Dry-to-touch, 77°F (25°C) ASTM D5895-96	30 minutes
Full cure, 77°F (25°C)	24 - 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	400 cps
Resistance to oils, greases and solvents	Poor
VOC	0.2 lbs/gal maximum

Rev. 12/2025

TERMS AND CONDITIONS OF SALE

While statements, technical information and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. For all Terms and Conditions of Sale see armor-inc.com.