

SELECTION & SPECIFICATION DATA

Type	High Gloss Water-Reducible Alkyd
Description	Ertech 8230 is water-reducible alkyd coating for direct to metal applications. Ertech 8230 has been formulated to have minimal fade or yellowing while having high gloss retention. This product is formulated to be low VOC and provide excellent corrosion protection.
Features	<ul style="list-style-type: none"> • Direct-to-metal coating • Water based with low VOC's • Very stable • Environmentally friendly • Worker friendly • High gloss retention • Adheres to marginally prepared substrates
Uses	<ul style="list-style-type: none"> • Metal corrosion protection • Metal finish coating • Frames and trailers • Architectural steel
Color	Black
Finish	High gloss
Primer	Self-priming
Dry Film Thickness (DFT)	Minimum 2 mils per coat
Solids Content	30% by weight 27% by volume
Limitations	Protect from freezing. Not for immersion service.

SUBSTRATES & SURFACE PREPARATION

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

MIXING & THINNING

Mixing	Mix thoroughly before use.
Thinning	Do not thin.
Cleanup	Tools and hands should be cleaned with soap and water before the coating cures. Dried material can be cleaned with mineral spirits. Spray equipment should be flushed with fresh water for short periods of non-use. For longer periods of non-use, flush or store with mineral spirits.

APPLICATION GUIDELINES

Application Methods	The consistency of Ertech 8230 is suitable for spray, brush, roller, or dip application, as supplied.
Airless Spray	Ertech 8230 can be sprayed with a wide variety of spray equipment. For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.
Tip Size	0.017 inch orifice
Hose L/D	200 ft (max) length x 3/8 inch diameter
Whip L/D	6 ft (max) length x 1/4 inch diameter
Pump Packings	PTFE/UHMWP
Film Thickness	Up to 10 mils WFT (2.7 mils DFT) can be achieved without sagging.
Brush/Roller	Ertech 8230 can be brush or roller applied.
Dip Tank	Ertech 8230 can be applied in dip tank.
Dry to Touch	30 - 45 minutes at 77°F (25°C) Dry time is decreased with air movement.
Full Cure	24 - 48 hours at 77°F (25°C) Cure time is decreased with air movement.

PACKAGING, HANDLING & STORAGE

ITEM#	PACKAGING
M-8230-005-001	Pail - 5 gallons
M-8230-053-001	Drum - 53 gallons
M-8230-275IBC-001	Tote - 275 gallons
Theoretical Coverage Rate	433 sq ft 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	9.9 lbs/gal
Solids by weight ASTM D5201-05a	30%
Solids by volume ASTM D5201-05a	27%
Specific gravity	1.19
Dry-to-touch, 77°F (25°C) ASTM D5895-96	30 - 45 minutes
Full cure, 77°F (25°C) ASTM D5895-96	24 - 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	800 - 1,200 cps
Color	Black/High Gloss
VOC ASTM D3960-05	2.75 lbs/gal
Flash point	200°F (93°C)
pH	8.50
Salt spray - ASTM B117	>500 hrs
Hardness - ASTM D3364 (Method B 1mm)	F rating at 7 days
Adhesion to metal - ASTM D3364	Pass

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