

SELECTION & SPECIFICATION DATA

Type	Water-based Acrylic
Description	A direct-to-metal acrylic coating that provides excellent protection against corrosion on steel and other metal substrates.
Features	<ul style="list-style-type: none"> • Water-based with low VOCs (<1.67 lbs/gal) • Very stable • Environmentally friendly • Worker friendly
Uses	<ul style="list-style-type: none"> • Direct-to-metal corrosion protection • Cargo trailer frames • Railcars
Color	Red oxide
Finish	Gloss
Dry Film Thickness (DFT)	2 – 3 mils per coat
Solids Content	29% by weight 28% by volume
Theoretical Coverage Rate	449 square feet per gallon at 1 mil DFT
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	Mild agitation prior to spraying
Thinning	Generally not required
Ratio	Single component

APPLICATION EQUIPMENT GUIDELINES

Spray Application	Ertech Armorcrylic ROX is designed for spray application using airless equipment.
Airless Spray	For best results under a wide variety of spray conditions, a 15:1 or higher ratio pump is recommended.
Tip Size	A 0.015 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 10 mils wet can be achieved on vertical surfaces without sagging.
Brush/Roller	Can be brush or roller applied.
Dry-To-Touch	3 mil film thickness is 20 minutes at 73°F (23°C). Cure times are shortened with air movement.
Full Cure	3 mil film thickness is 40 minutes at 73°F (23°C). Cure times are shortened with air movement.

CLEANUP & SAFETY

Cleanup	For uncured coating use soap and water, for cured coating clean with mineral spirits. Flush spray equipment after use with mineral spirits.
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 Weight	53 gallon drum – 485 lbs (220 kg) 275 gallon fiber tote – 2450 lbs (1111 kg)

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	8.6 lbs/gal
Solids by weight ASTM D5201-05a	29%
Solids by volume ASTM D5201-05a	28%
Specific gravity	1.03
Dry-to-touch, 77°F (25°C) ASTM D5895-96	20 minutes
Full cure, 77°F (25°C)	40 minutes
Viscosity, 77°F (25°C) ASTM D2983-19	2,000 cps
Resistance to oils, greases & solvents	Moderate
VOC ASTM D3960-05	<200 g/l
Flash point ASTM D93-18	>200°F (93.3°C)

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