



SELECTION & SPECIFICATION DATA

Type	Modified Alkyd Enamel
Description	Blackhawk 7500 Chassis Coating is designed for factory-finishing of metal material handling, agricultural and construction equipment and truck/trailer frames. This enamel produces typical alkyd-type physical properties without the common slow cure rates of most oxidizing alkyd coatings.
Features	<ul style="list-style-type: none"> • Single-component • Aggressive bond in cooler temperatures • Excellent abrasion and impact resistance • Good color retention • Fast-drying • Lead- and chromate-free
Color	Black
Primer	Self-priming on most substrates
Finish	80' 60' meter
Solids Content	52% by weight 46% by volume
Theoretical Coverage Rate	730 square feet per gallon at 1 mil DFT
VOC	<420 g/L (3.5 lbs/gal)

SUBSTRATES & SURFACE PREPARATION

Substrates	<ul style="list-style-type: none"> • Clean, bare carbon steel • Phosphated/pre-treated metals • Primed metals • Wood
All	Surfaces must be clean, dry and free of debris and loose scale. Remove dirt, dust, oil, and other contaminants.
Previously Painted Surfaces	Consult ErgonArmor

MIXING & THINNING

Mixing	May need slight agitation beyond 3 months of storage.
Thinning	Up to 10% xylene

APPLICATION EQUIPMENT

Airless Spray	Pump Size - 15:1 or greater Tip Size - 0.027 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
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CLEANUP & SAFETY

Cleanup	Xylene or similar solvent
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.

PACKAGING, HANDLING & STORAGE

Shelf Life	12 months at 75°F (24°C) When kept at recommended storage conditions and in original unopened containers.
Storage Conditions	40°F – 110°F (4°C – 43°C) 0 – 100% relative humidity
Package Sizes & Shipping Weights	55 gallon drum - 510 lbs (231 kg)

CURE SCHEDULE & RECOAT WINDOW

Dry to Touch, 77°F (25°C)	30 minutes
Tack Free, 77°F (25°C)	90 minutes
Dry Hard, 77°F (25°C)	24 hours

PERFORMANCE DATA

SPECIFICATIONS	DETAILS	RESULTS
Early Water Resistance ASTM D714-02	4 hour cure	10 - No blistering
1 Week Adhesion Test ASTM D3359	CRS, Aluminum	2B
Hardness Development ASTM D4366	1 week cure	72 osc
Taber Abrasion ASTM D1044	1 week cure (CS-10, 826 cycles)	0.2197 g average loss 2.7 mils average
Impact Resistance ASTM G14	1 week cure	Direct: 35 lbs Reverse: 5 lbs
Salt Spray Resistance ASTM B117	4 DFT	500+ hours

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