

ALK-300E



Low VOC Acrylic Modified Alkyd Enamel



Exterior durability from a single-component topcoat

ALK-300E is a fast-drying, industrial coating designed for interior/exterior use on most pretreated or primed metal surfaces. Cost-effective and versatile, ALK-300E delivers an outstanding balance of performance properties, including excellent gloss, leveling, flexibility and film hardness.

Product Benefits

- 3.5 VOC alkyd topcoat
- Can be applied to direct-to-metal or over primers (for optimum performance)
- Fast drying for quick turnaround
- Exceptional gloss and DOI
- Quick, accurate matches using PPG's COLOR ACCURATE™ software
- Low HAPs
- Application via conventional or HVLP equipment

Segments

- Agricultural equipment
- Construction equipment
- Fabricated metal
- Industrial equipment
- Material handling
- Metal lawn and office furniture
- Trailers



Product List

- ALK-300E Acrylic Modified Alkyd Enamel
- ALK-300ELG Acrylic Modified Alkyd Enamel
- ALK-31 Drier for ALK-300E
- ALK-201 Polyurethane Enhancer (Optional)

Recommended Primers: Please refer to the PPG Versolon Compatibility Chart (VERSI01) for all topcoat and primer compatibilities.

Physical Constants (ALK-300E with tints)

Weight per gallon	8.53 – 10.95 lbs/gallon
Volume solids	51.7 – 58.6%
Weight solids	59.6 – 72.4%
Theoretical coverage	811 – 913 ft ² /gallon @ 1.0 mil no loss (with ALK-31)
Recommended film builds	2.8 – 3.7 mils (wet) [with ALK-31] 1.5 – 2.0 mils (dry) [with ALK-31]
VOC Actual	340 – 417 (g/L) 2.84 – 3.48 (lbs/gal)
HAPs	≤ 0.2 lbs/gallon
Mixing ratio	15 : 1 (with ALK-201 and 4 oz ALK-31 to full gallon for improved dry with optional hardener)
Thinning	May reduce to 3.50 VOC with Q50 (Aromatic 100)
Substrates	CRS, HRS, Aluminum

Dry Times (with ALK-31)

To touch	30 minutes
To handle	2 hours
To recoat	Before 6 hours or After 24 hours
Force bake	Flash 10 minutes and Bake 30 minutes @ 120° F

Performance Characteristics (ALK-300E with ALK-31)

Gloss @ 60° Angle	ASTM D523	85 – 95
Pencil hardness	ASTM D3363	HB
Humidity resistance [†]	ASTM D2247	100 hours
Salt spray resistance [†]	ASTM B117	120 hours (no creep)
QUV-UVA*	ASTM D4587	200 hours, 81 – 100% @ 60° 500 hours, 78 – 99% @ 60°
Chemical resistance	ASTM D1308	10% NaOH, 10% HCl, 10% H ² SO ₄

[†]Performance data based on DTM application over Bonderite® 1000 panels.

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