

Industrial Alkyd Enamel



Fast drying, excellent film hardness and exterior durability

ALK-110 industrial alkyd enamel is recommended for use on metal surfaces that require cost effective, single-coat industrial alkyd applications. ALK-110 dries quickly for fast turnaround times, and its high build helps hide minor substrate defects.

Product Benefits

- Single-component alkyd topcoat
- Cost effective, versatile product
- Can be applied direct-to-metal or over primers (for optimum performance)
- Applies in one coat without runs or sags
- High film build helps mask minor substrate defects
- Quick dry for fast turnaround
- Can be brushed or rolled
- Lower gloss can be achieved with use of DX-10-FLT flattening agent
- Can be applied with airless or air-assisted airless

Segments

- Agricultural equipment
- Construction equipment
- Custom coaters
- Industrial equipment
- Material handling



Product List

- ALK-110 Industrial Alkyd Enamel
- ALK-201 Industrial Alkyd Catalyst (optional)

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

Physical Constants	ALK-110	ALK-110 with ALK-201
Weight per gallon	8.03 - 10.33 lbs	8.11 - 10.26 lbs
Volume solids	33.36 - 39.83%	36.26 - 42.33%
Weight solids	40.93 - 58.08%	43.93 - 59.52%
Theoretical coverage	519 - 581 ft ² /gallon @ 1 mil (no loss)	
Recommended film builds	4 - 5 mils (wet) 1.4 - 2.0 mils (dry)	
VOC	4.3 - 4.83 lbs/gallon	4.13 - 4.63 lbs/gallon
HAPs	≤ 3.10 lbs/gallon	≤ 3.0 lbs/gallon
Mixing ratio	N/A	15 : 1
Thinning	5 - 10% with Q50 or Q80 as needed	
Substrates	CRS, HRS, Aluminum, Plastic/Fiberglass	

Shelf life of ALK-110 (in unopened gallons) is 2 years.

Dry Times

To touch	10 - 20 minutes
To handle	45 - 60 minutes
To recoat	Before 4 hours or after 3 days
Force bake	Flash 10 minutes, then bake 20 min at 160°F

Performance Characteristics [†]		ALK-110	ALK-110 with ALK-201
Gloss @ 60° Angle	ASTM D523	80 - 90	80 - 90
Pencil hardness	ASTM D3363	2B - 3B	HB - F
Humidity resistance	ASTM D2247	100 hours 4B	100 hours 5B
Salt spray resistance	ASTM B117	250 hours	250 hours
	ASTM D1654	5A - 7A	6A
	ASTM D714	8F	8M, 6F
QUV-UVB (@60%)	ASTM D4587	250 hours, 53.1%	250 hours, 42.9%
Chemical resistance	ASTM D1308	Water, 10% H ₂ SO ₄	Water, 10% H ₂ SO ₄ , 10% HCl

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