

Acrylic Urethane Enamel



Outstanding chemical resistance, color and gloss retention

AUE-100 is a fast-drying, cost-effective acrylic urethane enamel ideal for interior/ exterior use where outstanding chemical resistance, color and gloss retention are required. Lead- and chrome-free, AUE-100 provides an excellent range of performance properties including superb flow and leveling, film hardness and durability.

Product Benefits

- Fast drying for quick turnaround
- Cost-effective
- Designed for interior/exterior performance
- Excellent corrosion and chemical resistance
- Wide range of colors available
- Superb gloss and color retention
- Quick, accurate matches using PPG's PAINTMANAGER® XI or COLOR ACCURATE™ software systems

Segments

- Agricultural equipment
- Construction equipment
- Custom coaters
- Fabricated metal
- Industrial equipment
- Outdoor signs
- Trailers
- Wheels



Product List

- AUE-100 Acrylic Urethane Enamel
- AUE-100LG Acrylic Urethane Enamel (Low Gloss)*
- AUE-101 Urethane Hardener (required)
- UA-11 Urethane Accelerator (optional)

Recommended Primers: Please refer to the PPG Versolon Compatibility Chart (VERS101) for all topcoat and primer compatibilities.

Physical Constants

AUE-100 with AUE-101

Weight per gallon	8.18 – 10.98 lbs/gallon
Volume solids	35.5 – 42.1%
Weight solids	41.7 – 58.5%
Theoretical coverage	556 – 675 ft ² /gallon @ 1.0 mil—depending on color
Recommended film builds	3.0 – 4.5 mils (wet) 1.0 – 1.5 mils (dry)
VOC	4.32 – 4.86 lbs/gallon (RTS)
HAPs	≤1.0 lbs/gallon
Mixing ratio	7 : 1 (mixed with AUE-101)
Thinning	AUE-100 and AUE-100LG can be thinned up to 20% with Q60 (MEK), Q70 (MAK), or Q80 (Xylene)
Substrates	CRS, HRS, Aluminum, Galvanized, Galvaneal; Substrates listed must be primed before application of AUE-100.

Shelf life of AUE-100 (in unopened gallons) is 4 years.

Dry Times

To touch	30 – 60 minutes
To handle	4 hours
To recoat	4 hours to 4 days
Force dry	Flash 10 minutes, then Bake 20 minutes at 140°F

Performance Characteristics[†]

Gloss @ 60° Angle	ASTM D523	85 – 95
Pencil hardness	ASTM D3363	HB – F
Humidity resistance	ASTM D2247	100 hours (no creep)
Salt spray resistance	ASTM B117 ASTM D1654 ASTM D714	1000 hours 4A-5A 8D, 6D, 4M
QUV-UVA (@60%)	ASTM D4587	250 hours, 94-98% 500 hours, 87-90%
Chemical resistance	ASTM D1308	Water, 10% HCl, 10% H ² SO ⁴

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

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