

## Direct-to-Metal Polyurethane

### Chemical, corrosion and stain resistance

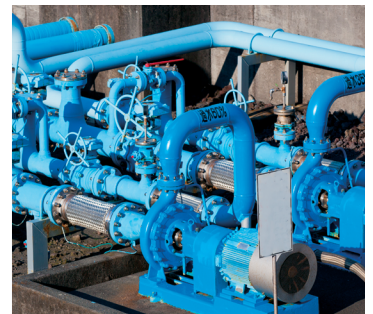
AUE-370 is a two-component high solids polyurethane designed to be direct-to-metal capable. This product is surface tolerant and builds a high film easily. The product is easy to mix and apply for airless or air-assisted airless spray applications. A yellow base, AUE-370YL, is now available. AUE-370 is formulated to be lead- and chrome-free and is compliant for applications in areas with VOC requirements of 2.8 lbs/gallon (340 g/l) when used with AUE-3501.

#### Product Benefits

- Applies direct-to-metal for production efficiency (minimum commercial blast cleaning, SSPC-SP6, NACE #3, is recommended)
- Superior hardness and flexibility
- Blended VOC <2.8 lbs/gallon when used with AUE-3501
- Can be applied using airless or air-assisted airless equipment
- Excellent chemical, corrosion and stain resistance
- Available in a wide range of colors including AUE-370YL Yellow Resin
- Formulated lead and chrome free

#### Segments

Agricultural equipment  
 Construction equipment  
 Fabricated metal  
 Industrial equipment  
 Liquid gas and transport units  
 Material handling  
 Oil and gas industry



## Product List

- AUE-370 DTM Polyurethane
- AUE-370YL DTM Polyurethane Yellow Resin
- AUE-3501 2K High Solids Urethane Hardener
- GXH1086 Urethane Hardener
- UA-11 Urethane Accelerator (optional, will increase VOC)

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

Physical Constants <sup>*</sup>	Blended with AUE-3501	Blended with GXH1086
Weight per gallon	9.43 – 10.50 lbs/gallon	9.33 – 10.35 lbs/gallon
Volume solids	53.97 – 61.3%	55.0 – 59.1%
Weight solids	61.0 – 68.2%	59.5 – 66.7%
Theoretical coverage	915 – 982 ft <sup>2</sup> /gallon @ 1 mil (no loss)	883 – 947 ft <sup>2</sup> /gallon @ 1 mil (no loss)
Recommended film builds	5.0 – 8.5 mils (Wet) 3.0 – 5.0 mils (Dry)	5.0 – 8.5 mils (Wet) 3.0 – 5.0 mils (Dry)
VOC (mixed)	2.25 – 2.80 lbs/gallon (blended, unreduced)	2.44 – 2.96 lbs/gallon (blended, unreduced)
HAPs	<0.1 lbs/gallon (RTS, unreduced)	
Mixing ratio	5 (AUE-370) : 1 (AUE-3501)	4 (AUE-370) : 1 (GXH1086)
Thinning	10% by volume with Q70 (MAK) to RTS gallon where VOC allows	10% by volume with Q70 (MAK) to RTS gallon where VOC allows
Substrates	CRS, HRS, Galvaneal, Galvanized, Aluminum	CRS, HRS, Galvaneal, Galvanized, Aluminum

*Shelf life of AUE-370 (unopened) is 4 years.*


*\* Data dependent on mixed color; UA-11 not included in constants*

Dry Times	Without UA-11	With UA-11
To texture	3 – 5 hours	1 – 2 hours
To handle	8 – 12 hours	2 – 4 hours
To recoat	Min: When dry through / Max: 7 days	Min: When dry through / Max: 7 days

## Performance Characteristics<sup>†</sup>

Gloss @ 60° Angle	ASTM D523	85 – 92
Pencil hardness	ASTM D3363	H – 2H
Humidity resistance	ASTM D2247	Excellent, no blisters 5B adhesion @ 100 hours
Salt spray resistance	ASTM B117	Excellent, 7A – 8A @ 1000 hours
Impact resistance	ASTM D2794	Direct: 80" lbs Indirect/Reverse: 60" lbs
Conical mandrel	ASTM D522	Pass at 1/8" no cracks

*†Over blasted metal substrate*

 **WARNING:** Certain colors of this product may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to [P65Warnings.ca.gov](http://P65Warnings.ca.gov).

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