

# U SERIES

## POLYURETHANE POWDER COATINGS

### FILM CHARACTERISTICS

These results are based on tests conducted on steel panels (thickness 0.53mm) pretreated with iron phosphate, coated with a thickness of 1.8 – 2.2 mils, and baked at 400°F for 7 minutes.

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>RESULT</b>
<b>Adhesion</b>	Cross Hatch ASTM D3359	Excellent
<b>Hardness</b>	Pencil: Eagle Turquoise ASTM D3363	H-2H
<b>Flexibility</b>	180° conical mandrel ASTM D522	Excellent
<b>Impact Resistance</b>	ASTM D2794	From 40 to 160 in/lb direct and reverse depending on formulation
<b>Humidity Resistance</b>	ASTM D2247, 1000 hrs	Excellent
<b>Salt Spray Resistance</b>	ASTM B117, 1000 hrs	Less than 1/16" creepage at scribe
<b>Abrasion</b>	Taber Abraser CS-10, 1000 g load, 1000 cycles ASTM D4060	60-70 mg
<b>Water Immersion Resistance</b>	ASTM D870, 500 hrs	Excellent
<b>Overbake Resistance</b>	200% overbake	No visible change
<b>Outdoor Durability</b>	Florida: 45° South	12 months: No change 18 months: 85% gloss retention
<b>U.V. Resistance</b>	QUV 340 Lamp 800 hrs – 1000 hrs	Less than 1 Macadam unit

**N.B.** This table expresses typical properties of U Series Powder Coating. Its purpose is not intended to give exact specifications for any particular product. Individual products may give different results. For exact specifications, consult the Technical Information Sheet for the individual product in question.



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