



## How Does UVMax® UV-Cured Powder Coating Compare to Melamine?

<b>Durability</b>	<b>UVMax®</b>	<b>Melamine</b>
Thickness	3 – 4 mils	2 – 4 mils
Crosshatch Adhesion	No loss	ND*
Impact	No cracking at 35"	No cracking at 15-50"
Abrasion Resistance (weight loss in mg/500 cycles)	34.2 mg	19.58 mg
Abrasion Wear Thru Resistance (cycles)	3000 cycles	125 - 400 cycles
Scratch Resistance	No effect	No effect
Pencil Hardness		
Scratch Hardness	2H	2H
Gouge Hardness	4H	3H
Cleanability/Stain Resistance	High	High
<b>Design Flexibility</b>		
Seamless Surfaces and Edges	Yes	No
Radiused Edges and Corners	Yes	No
Bullnosed Edges	Yes	No
Curvilinear Shapes	Yes	No
Contoured and Complex Shapes	Yes	No
Finished Through-holes and Recesses	Yes	No
<b>Environmental Impact</b>		
VOCs (volatile organic compounds)	No	Yes
HAPs (hazardous air pollutants)	No	No
Materials Waste	< 1%	15+%
<b>Production Process</b>		
Number of Steps Required to Finish	1	4
Type of Finishing Process	Continuous	Batch

UVMax® tests performed by Stork Herron Laboratories. Melamine data drawn from publicly available published information; exact results vary by manufacturer and grade.

\* ND = no data available

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