



How Does UVMax[®] UV-Cured Powder Coating Compare to Vinyl Laminate?

Durability	UVMax[®]	Vinyl Laminate
Thickness	3 – 4 mils	8 – 12 mils
Crosshatch Adhesion	No loss	ND*
Impact	No cracking at 35"	No cracking at 64-90"
Abrasion Resistance (weight loss in mg/500 cycles)	34.2 mg	50 mg - CS-10/100 cycles
Abrasion Wear Thru Resistance (cycles)	3000 cycles	1200 cycles
Scratch Resistance	No effect	No effect
Pencil Hardness		B
Scratch Hardness	2H	ND*
Gouge Hardness	4H	ND*
Cleanability/Stain Resistance	High	High
Design Flexibility		
Seamless Surfaces and Edges	Yes	No
Radiused Edges and Corners	Yes	Yes
Bullnosed Edges	Yes	Yes
Curvilinear Shapes	Yes	Yes
Contoured and Complex Shapes	Yes	Yes
Finished Through-holes and Recesses	Yes	Yes
Environmental Impact		
VOCs (volatile organic compounds)	No	Yes
HAPs (hazardous air pollutants)	No	No
Hydrocarbon Waste	No	Yes
Materials Waste	< 1%	10+%
Production Process		
Number of Steps Required to Finish	1	3
Type of Finishing Process	Continuous	Batch

UVMax[®] tests performed by Stork Herron Laboratories. Vinyl laminate data applies to membrane press production. Data is drawn from publicly available published information; exact results vary by manufacturer and grade.

* ND = no data available

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