



## How Does UVMax® UV-Cured Powder Coating Compare to High Pressure Laminate?

| <b>Durability</b>                                  | <b>UVMax®</b>      | <b>High Pressure Laminate</b> |
|--|--------------------|-------------------------------|
| Thickness  | 3 – 4 mils         | .7 – 1.0 mm                   |
| Crosshatch Adhesion                                | No loss            | No loss                       |
| Impact   | No cracking at 35" | No cracking at 15-50"         |
| Abrasion Resistance (weight loss in mg/500 cycles) | 34.2 mg            | 43-74.6 mg                    |
| Abrasion Wear Thru Resistance (cycles)             | 3000 cycles        | 750 cycles                    |
| Scratch Resistance                                 | No effect          | No effect                     |
| Pencil Hardness                                    |                    | 6H                            |
| Scratch Hardness                                   | 2H                 | ND*                           |
| Gouge Hardness                                     | 4H                 | ND*                           |
| 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                 | Yes                           |
| 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. HPL data drawn from publicly available published information; exact results vary by manufacturer and grade.

\* ND = no data available

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