



UVEXS Incorporated

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The brightest ideas in UV curing

801A

UV Curable Coating

DESCRIPTION

A clear coating with a rapid, low shrinkage cure. The cured film is glossy, moderately flexible and resistant to abrasion and chemicals. Excellent adhesion to metals of various types and metal sputter surfaces. The single component formula has a low viscosity for spray application to provide a smooth, protective overcoat. Resists impacts and scuffing for a long-term decorative gloss effect. Also resists solvents and other cleaning fluids.

CURE SCHEDULE

For fastest cure expose to a medium pressure mercury vapor type lamp operating at a minimum of 200 watts per inch input power.

Cure time typically less than 6 seconds at intensities of 150 mW/cm² at 365 nm wavelength. Varies with application thickness.

APPLICATION NOTES

801 coating may be sprayed, dipped or curtain coated onto surfaces which have been cleaned of organic contaminants. Cure depth exceeds 40 mils with high intensity UV lamps although lowest shrinkage character occurs with coating thicknesses less than 10 mils. No nitrogen purge is required with this product.

UNCURED PROPERTIES

Base resin:	epoxy, cationic
Solids:	100%, no solvents
Components:	one
Density:	9.4 lbs per gallon
Odor:	mild, characteristic
Color:	clear, straw
Viscosity:	120 cps @ 21°C, LVF
Flash point:	>200°F

CURED PROPERTIES

Hardness:	85 (shore D)
Gloss:	60°: 90+
Cure Depth:	< 40 mils

STORAGE AND HANDLING

Shelf life is warranted for a minimum of 6 months from the date of shipment when stored in darkness at 50-80°F. Avoid contact with skin and eyes as directed on the MSDS. Proper ventilation is recommended during spray applications.