

CRL COLORED UV ADHESIVE INSTRUCTIONS FOR SAFE AND SUCCESSFUL USE

CRL UV ADHESIVES
Colored Thin Viscosity

CRL
PROFESSIONAL QUALITY

1. Do not mix CRL Colored UV Adhesives with adhesives manufactured by other companies. There is a very good chance that the colorants in the CRL Series will not be soluble in other company's adhesives.
2. The CRL Series of UV-curable, colored adhesives are intended to be used interfacially as glass laminating adhesives. These products will not cure to any reasonable extent if cured while exposed to air. Do not attempt to use these products as UV-curable inks, paints or as coatings: they will not cure well enough.
3. Use just enough adhesive to laminate the glass parts together; about two drops are required to bond a 1.5 X 1.5 inch (38 X 38 mm) area. Using too much adhesive will result in cure problems. The products have been formulated to give as much color as possible, while still curing.
4. Every effort has been made to have all colors cure in about the same amount of time. As different colors absorb different wave lengths of light, this is not entirely possible. Please remember that the yellow and green colors take more time to cure than the red, blue and black. Also remember that prolonged exposure to UV light will cause some of the colors to fade. The following cure times are suggested for thin films of the CRL Colored UV Adhesives.

COLOR	UV INTENSITY	INTERFACIAL CURE TIME
BLUE	65 mW/cm ²	about 20 - 25 seconds
BLACK	65 mW/cm ²	about 20 - 25 seconds
RED	65 mW/cm ²	about 20 - 25 seconds
GREEN	65 mW/cm ²	about 40 - 50 seconds
YELLOW	65 mW/cm ²	about 40 - 50 seconds

5. It is possible to dilute the CRL Series of products with the Clear Base. Diluting will result in much less color. Cure times will also change. As some of the colorants do fade upon exposure to UV light, it is very possible to dilute to the point that upon cure, there will be no color remaining. The CRL Series have been specifically formulated to balance cure and color. Diluting will change these properties. Anyone considering diluting the products should conduct their own testing and realize they assume all risk.
6. The CRL Series of colors have been formulated to be compatible. Colors can be mixed to create other colors. When mixing colors, use the cure time for the slowest-curing color as the cure time for the new color. This should assure complete cure of the new color.

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