

# 10-3713

## ULTRA CLEAR AND ULTRA STRONG EPOXY ADHESIVE

### DESCRIPTION:

10-3713 is used as a two component *ultra clear* epoxy adhesive designed for a variety of bonding applications. 10-3713 forms a crystal clear bond line and is formulated with proprietary ultraviolet protectors to minimize yellowing of the cured epoxy. This adhesive when UV aged in a QUV Weatherometer outperforms other commercially available adhesives. Any excess adhesive or visible bond lines are less noticeable due to the adhesives outstanding clarity.

10-3713 is low in viscosity and therefore offers maximum wetting and penetration of substrates. Tenacious bonds are formed at room temperature or with mild heat. 10-3713 should be used anywhere a clear, strong bond is required.

### FEATURES:

- Gap filling
- UV protected
- Water clear
- Outstanding adhesion
- Low viscosity
- Bonds to most substrates

### TYPICAL SPECIFICATIONS:

Mix ratio, by weight (Resin:Catalyst)	2:1
Mixed viscosity, 25°C, cps	650
Pot life, 25°C, minutes	45
Specific gravity, 25°C	1.11
Hardness, Shore D	80
Tensile strength, psi	9,400
Operating temperature range, °C	-50 to +150
Thermal conductivity, W/m- °K	0.42
Thermal expansion coefficient per °C	50x10 <sup>-6</sup>
Dielectric strength, V/mil	560
Volume resistivity, ohm-cm	5.0x10 <sup>15</sup>

**INSTRUCTIONS FOR USE:**

- A. By weight, thoroughly mix 100 parts 10-3713R Epoxy Resin to 50 parts 10-3713C Hardener.
- B. Apply and cure according to one of the following schedules:

- |                   |            |
|-------------------|------------|
| 1. 25 °C (77 °F)  | 24 Hours   |
| 2. 30 °C (86 °F)  | 3 ½ Hours  |
| 3. 35 °C (95 °F)  | 1 ½ Hours  |
| 4. 45 °C (113 °F) | 20 Minutes |
| 5. 55 °C (131 °F) | 7 Minutes  |

**IMPORTANT:**

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