

10-3713

ULTRA CLEAR EPOXY ADHESIVE

DESCRIPTION:

10-3713 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
- *Water clear
- *UV protected
- *Outstanding adhesion

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, btu in/ft ² hr °F	2.9
Thermal expansion coefficient per °C	50x10 ⁻⁶
Dielectric strength, volts/mil	560
Volume resistivity, ohm-cm	5.0x10 ¹⁵



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

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

06/03