

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:

Viscosity, 25°C, cps	650
Mix ratio, (Resin:Catalyst)	
By Weight	2:1
Color	Clear
Hardness, Shore D	80
Operating Temperature Range, °C	-50 to +150
Pot Life, 25°C	45 minutes
Specific Gravity, 25°C	1.11
Tensile strength, psi	9,400
Thermal conductivity, W/m-K	0.42
Thermal expansion coefficient per °C	50x10 ⁻⁶
Dielectric strength, V/mil	560
Volume resistivity, ohm-cm	5.0x10 ¹⁵

INSTRUCTIONS FOR USE:

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

a) 25 °C (77 °F)	24 Hours
b) 30 °C (86 °F)	3 ½ Hours
c) 35 °C (95 °F)	1 ½ Hours
d) 45 °C (113 °F)	20 Minutes
e) 55 °C (131 °F)	7 Minutes

STORAGE, HANDLING & SAFETY:

Store both components at 25 °C in original containers. Store away from excessive heat and humidity. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

AVAILABILITY:

10-3712 is available in quart and gallon containers.

IMPORTANT:

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