



# 5, 15, 30 Cure

## Fast Curing Epoxy Adhesive

### Product Description:

System Three QuickCure® is a 2-component, solvent-free epoxy/polymercaptan adhesive. Mixed in a 1-to-1 by volume ratio, it will cure in five minutes, even at lower temperatures.

### Application:

- \*Quick wood or fiberglass "welding."
- \* Fill screw holes.
- \* Thread-locker for nuts and bolts.
- \* Glue patterns, countertops, and bulkheads.

### Summary of Features:

### Resin Properties:

Viscosity @ 25°C(77° F) . . . . . 12000 cps  
 Specific Gravity . . . . . 1.16  
 Color . . . . . Clear

### Hardener Properties:

Viscosity @ 25°C(77° F) . . . . . 9000 cps  
 Specific Gravity . . . . . 1.13  
 Color . . . . . Light Amber

### Technical Notes:

#### PHYSICAL PROPERTIES:

Mix Ratio ..... 2:1 by volume  
 Total solids ..... 100%  
 Viscosity(Mixed) ..... cps  
 Colour ..... Clear to slightly amber  
 Heat Deflection Temperature ..... 101° F  
 Working Time @ 20°C ..... 10-12 minutes  
 Cure Time(500 ml mixture)  
 20°C(68°F) ..... hours  
 65°C(150°F) ..... hours  
 Flexural Strength ..... psi  
 Flexural Modulus ..... 3.50X10<sup>5</sup> psi  
 Compressive Strength (at yield) ..... 12,400 psi  
 Tensile Strength ..... 2845 psi  
 Ultimate Elongation ..... %  
 Izod Impact Strength ..... ft.lb/in. notch  
 Hardness(Rockwell M) .....

Kit sizes available  
 375ml / 750ml / 1.5L / 3L / 6L / 12L / 30L / 60L / 300L

#### ELECTRICAL PROPERTIES:

Dielectric Constant  
 Frequency 60 Hz ..... 3.23  
 10<sup>3</sup> Hz ..... 3.68  
 10<sup>6</sup> Hz ..... 2.99

Dissipation Factor, Condition A  
 Frequency (Hz) 60 Hz ..... .0036  
 10<sup>3</sup> Hz ..... .0070  
 10<sup>6</sup> Hz ..... .0190

Volume Resistivity(ohm-cm) ..... 1.22X10<sup>16</sup>

Surface Resistivity (ohm) ..... 5.50X10<sup>15</sup>

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