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TECHNICAL DATA SHEET

GelMagic™
STRUCTURAL ADHESIVE

DESCRIPTION:

System Three Resins' GelMagic is a toughened, non-sagging, two-component structural epoxy adhesive designed to bond wood and other substrates. GelMagic is unique in that it starts as two self-leveling liquids, which immediately form a soft, non-sagging paste when mixed. The blue color of the resin disappears upon mixing. Gel-Magic is also a toughened adhesive with high peel strength. As GelMagic cures the toughening agent precipitates to form an opaque, creamy-white, two-phase system. GelMagic is a room-temperature cure adhesive with good elevated temperature properties following a mild post cure.

RESIN PROPERTIES:

Viscosity @ 77° F 6600 cps
 Density 9.9 lb/gal
 Color Blue

HARDENER PROPERTIES:

Viscosity @ 25° C 2800 cps
 Density 8.2 lb/gal
 Color Amber

MIXED SYSTEM PROPERTIES:

Mix ratio by volume resin/hardener 100/50
 Mix ratio by weight resin/hardener 100/42
 Working time @ 25° C 15 minutes
 Tack-free time @ 25° C 3 hours
 Coverage @ 10 mils 150 ft²/gallon
 Maximum service temperature 170° F

TYPICAL CURED PROPERTIES:

Lap-Shear Strength, psi. Polyester Laminate 2800*	Aluminum 2200
Concrete 1100*	Galvanized Steel 1900
Wood(Maple) 1800*	Copper 1700

*Indicates substrate failure

Tensile Strength, psi 7600
 Tensile Elongation at break 7.0%
 Flexural Strength, psi 13,000
 Flexural Modulus, psi 410,000
 Compressive Yield Strength, psi 13,000
 Heat Deflection Temperature, ° F 140

All tests were conducted in accordance with ASTM procedures.
 Sizes available(kits): 6oz., 12oz.,24oz., 1½ quart, 3 quart, 1½ gallon, 3 gallon, 7.5 gallon, 15 gallon, 450, 900 ml cartridges.

For health and safety information concerning this product, please refer to the MSDS sheets for GelMagic Adhesive.

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.