

GelMagic Epoxy Adhesive TDS

DESCRIPTION

GelMagic is a two component, structural epoxy adhesive that has exceptional non-sag and gap filling characteristics. Because GelMagic is toughened, it can be used in the most demanding industrial, marine and woodworking applications. GelMagic has exceptionally high peel strength and exhibits outstanding elevated temperature performance. Also, of note is GelMagic's indicator dye that disappears when completely mixed.

Individual Component Properties:			
Resin Properties:		Hardener Properties:	
Viscosity @ 77°F (25°C) cps	62,000	Viscosity @ 77°F (25°C) cps	53,000
Density	9.65	Density	8.35
Color	Blue	Color	Amber
VOC Content	0	VOC Content	0

Mixed System Properties:	
Mixed Viscosity (at room temperature) cps	71,000
Mix Ratio By Volume (Resin:Hardener)	2:1
Mix Ratio By Weight (Resin:Hardener)	100:46
Minimum Application Temperature	50°F (10°C)
Working Time @ 70°F (21°C)	20 min.
Coverage @ 5-8 mils	200-300 ft ² / gal.

Cured Properties:	
Full Cure @ 70°F (21°C)	3 days
Maximum Service Temperature	170°F (76.7°C)
Tensile Strength (ASTM 638) psi	7,600
Tensile Elongation (ASTM 638) psi	7% at break
Compressive Strength (ASTM 695) psi	13,000
Lap-Shear Strength (psi) ASTM D1002 *Indicates substrate failure	
Polyester	2,800*
Aluminum	2,365
Concrete	1,100*
Galvanized Steel	1,900
Maple	1,800*
Copper	2,587
Mild Steel	3,678
Brass	2,624

For health and safety information concerning this product, please refer to the SDS sheets for GelMagic at systemthree.com.