

Cold Cure Epoxy TDS

DESCRIPTION

Cold Cure is a blush resistant, two-part epoxy laminating and coating resin that excels in foul weather conditions. It cures in cold, damp, and humid environments while remaining resistant to water spotting.

Use it in marine and woodworking applications. Cold Cure can be mixed with various fillers to create filleting and fairing compounds for marine applications. Adding silica thickener produces a general duty woodworking adhesive.

Individual Component Properties:			
Resin Properties:		Hardener Properties:	
Viscosity @ 77°F (25°C) cps	2,300	Viscosity @ 77°F (25°C) cps	177
Density	9.53	Density	8.48
Color	Colorless	Color	Slight Amber
VOC Content	0	VOC Content	0

Mixed System Properties:	
Mixed Viscosity (at room temperature)	1,200 cps
Mix Ratio By Volume (Resin: Hardener)	2:1
Mix Ratio By Weight (Resin: Hardener)	100:48
Minimum Application Temperature	35°F(2°C)
Maximum Working Temperature	90°F (32.2°C)
Working Time @ 70°F (21°C)	30 min.
Recoat Time w/o Sanding @ 70°F (21°C)	24 hours (after 24 hours sanding is required)
Time To Sand @ 70°F (21°C)	6-24 hours
Coverage:	150-250 ft ² Fiberglassing Applications 200-300 ft ² Coating Applications

Cured Properties:	
Full Cure @ 70°F (21°C)	3 days
Hardness Shore D	80
Heat Deflection Temperature	127°F / 52.8°C
Maximum Service Temperature	160°F / 71°C
Tensile Strength (ASTM 638)	6,000 psi
Tensile Elongation (ASTM 638)	11%
Flexural Strength (ASTM D790)	12,000 psi
Compressive Strength (ASTM 695)	12,000 psi at yield 26,000 psi at failure

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