



Clear Coat Epoxy TDS

DESCRIPTION

Clear Coat is an extremely low viscosity, water-white, penetrating epoxy resin. Clear Coat cures to a brilliantly clear, tough finish without the usual "amine blush" associated with some epoxy resin films. Clear Coat contains no solvents.

Use Clear Coat Epoxy as a coating and laminating resin for use in marine and woodworking applications. Clear Coat can be used with a wide range of paint and topcoat options.

Individual Component Properties:			
Resin Properties:		Hardener Properties:	
Viscosity @ 77°F (25°C) cps	500-600	Viscosity @ 77°F (25°C)	30 Sec. Zahn #2
Density	9.48	Density	8.28
Color	Colorless	Color	Slight Amber
VOC Content	0	VOC Content	0

Mixed System Properties:	
Mixed Viscosity (at room temperature)	380 cps
Mix Ratio By Volume (Resin:Hardener)	2:1
Mix Ratio By Weight (Resin:Hardener)	100:43
Minimum Application Temperature	60°F(15.6°C)
Maximum Application Temperature	?
Working Time @ 70°F (21°C)	45 min
Recoat Time w/o Sanding @ 70°F (21°C)	7-72 hours
Time To Sand @ 70°F (21°C)	24 hours
Coverage:	200-300 ft ² Fiberglassing Applications 300-400 ft ² Coating Applications

Cured Properties:	
Full Cure @ 70°F (21°C)	3 Days
Hardness Shore D	82
Tensile Strength (ASTM D638)	7,800 psi
Tensile Elongation (ASTM D638)	8%
Flexural Strength	12,000 psi
Flexural Modulus	375,000 psi
Heat Deflection Temperature	127°F / 53°C
Compressive Strength (ASTM 695)	13,000 psi at yield 26,000 psi at failure
Maximum Service Temperature	160°F / 71°C

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