

DESCRIPTION

SilverTip Epoxy is a crystal clear, blush-free epoxy system. SilverTip Epoxy is an excellent choice for brightwork applications due to its brilliant clarity and rapid film build.

Due to its low viscosity, SilverTip wets out a variety of reinforcement materials with ease. These materials include fiberglass, Kevlar®, Dynel®, and carbon fiber. SilverTip has a high modulus and therefore develops rigidity without brittleness. The cured film is tough and resilient, with good heat resistance. It features an easy 2:1 by volume mix ratio.

Individual Component Properties:	Resin	Slow Hardener	Fast Hardener
Viscosity @ 77°F (25°C) cps	700	600-700	600-700
Density	9.51	8.29	8.39
Color	Colorless	Pale Straw	Pale Straw
VOC Content	0	0	0

Mixed System Properties:	Resin	Slow Hardener	Fast Hardener
Mix Ratio By Volume (Resin: Hardener)	2 Parts	1Part	1 Part
Mix Ratio By Weight (Resin: Hardener)	100 Parts	44 Parts	44 Parts
Minimum Application Temperature	N/A	55°F (13°C)	35°F(2°C)
Working Time @ 70°F (21°C)	N/A	45-50 mins.	30-35 min.
Recoat Time w/o Sanding @ 70°F (21°C)	N/A	6-72 hours	3-72 hours
Time To Sand @ 70°F (21°C)	N/A	24 hours	14-16 hours

Cured Properties:	
Full Cure @ 70°F (21°C)	3 Days
Hardness Shore D	80
Tensile Strength (ASTM D638) psi	7,900
Tensile Elongation (ASTM D638)	8%
Tensile Modulus (ASTM D638) psi	390,000
Flexural Strength (ASTM D790) psi	13,000
Flexural Modulus (ASTM D790) psi	420,000
Heat Deflection Temperature	128°F / 53°C
Compressive Strength (ASTM 695) psi	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 SilverTip Epoxy at systemthree.com.