



System Three Resins, Inc.
 3500 W. VALLEY HWY. N. SUITE 105
 AUBURN, WASHINGTON 98001
 TECHNICAL SUPPORT: 253-333-8118

TECHNICAL DATA SHEET
COLD CURE™
 General Purpose
 Epoxy Resin System

DESCRIPTION:

Cold Cure Epoxy is a 100% solids, unfilled, medium modulus, low viscosity, resin system. Cold Cure has low odor and no VOC's. It is non-shrinking, flexible and has excellent resistance to cracking, abrasion, common chemicals and fatigue. Cold Cure is clear and is compatible with most paints and clear finishes. It is an excellent gap-filling putty when mixed with thickening agents and fillers. When cured it can be machined, drilled, sanded and tapped. Cold Cure may be used effectively down to 2°C (35°F) in 100% relative humidity. It is an easy to use 2:1 ratio. It will not blush or turn milky in thin films and cures overnight.

PRODUCT USES:

Use Cold Cure as a structural adhesive for: Bonding wood to wood, wood to concrete, steel to concrete or wood, wood to fiberglass, concrete to concrete or fiberglass. Use Cold Cure as a corrosion-resistant coating for steel and concrete Use Cold Cure as a sealer for: concrete (garage floors or foundations), fiber-reinforced polyester (boat hulls & pultruded glass), lumber, even pressure-treated. Use Cold Cure as a laminating resin for: plywood (sheathing with fiberglass cloth for boats or decks), veneer (cold molding), or fiberglass (making composites)

RESIN PROPERTIES:

Viscosity @ 77° F(25°C)..... 1100-1200 cps
 Density 9.63 lb/gal
 Color Clear

HARDENER PROPERTIES:

Viscosity @ 77°F(25° C)..... 500-600 cps
 Density 8.59 lb/gal
 Color Amber

MIXED SYSTEM PROPERTIES:

Mix ratio by weight resin/hardener 100/43
 Mix ratio by volume resin/hardener 100/50
 Working time @ 25° C 45 minutes
 Minimum application temperature 35° F
 Mixed viscosity 800-900 cps

TYPICAL CURED PROPERTIES:

Tack-free time @ 25° C 24 hours
 Hardness(Shore D) 82
 Tensile Strength, psi 6000
 Tensile Elongation at break 11%
 Flexural Strength, psi 12,000
 Heat Deflection Temperature (°F) 127
 Compressive Strength, psi
 at Yield 12,000
 at Failure 26,000

Kit sizes available(kits): 1½-pint / 1½-quart / 3-quart / 1½-gallon / 15 gallon

For health and safety information concerning this product, please refer to the MSDS sheets for Clear Coat Resin and Hardener.

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.

Helping you put it all together