



# TECHNICAL DATA SHEET

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## TECHNO-COTE™ 3 Speed Laminating System

### DESCRIPTION:

TECHNO-COTE™ by CLEAR COTE™ is a 3 Speed (2 to 1, by volume/weight ) high quality, laminating system. It is 100% Epoxy solids. It is designed for the rapid wet out of fiberglass, Kevlar, carbon fiber and other composite materials. This system can be purchased with any one of 3 different Activators depending up on the desired cure speed and pot life.

The material has an easy to use 2 to 1 mix ratio (2 Parts resin to 1 Part Activator, by volume/weight ) that cures at room temperature with little to no blush to a tough, rigid, impact resistant plastic, with excellent resistance to water, chemicals, and solvents. This material is suitable for use in mechanical volume pumps, always mix these materials thoroughly and be sure to scrape the sides and bottom.

As with all adhesive type compounds proper surface preparation is essential for good bond strength, additionally recoating of this material should be accomplished before the material is thoroughly cured generally in less then 24 hours. If the material has cured hard and tack free, a sanding and solvent wash will be necessary before recoating.

	Laminating Resin	Slow Activator	Medium Activator	Fast Activator
Appearance:	Clear Syrup	Amber Syrup	Amber Syrup	Amber Syrup
Viscosity RV D @ 10 rpm	1000 cps	200 cps	250 cps	400 cps
Weight Per Gallon:	9.35 lbs/ gal.	8.26 lbs/ gal.	8.4 lbs/ gal.	8.5 lbs/ gal.
Mix by Weight (2 to 1 by volume or weight)		100 to 44	100 to 46	100 to 46
Gel Time/Pot Life (ambient temp 77°F)		150 min	30 min	15 min
Thin Film Set Time approximate		8 hours	5 hours	3 hours
Hardness		75 to 80 Shore D	75 to 80 Shore D	75 to 80 Shore D
Temperature		Operating Range (-40 to 150 F)* / Heat Distortion temp. 126 F *	Operating Range (-40 to 150 F)* / Heat Distortion temp. 130 F *	Operating Range (-40 to 150 F)* / Heat Distortion temp. 135 F *
Elongation		4 to 6 % *	3 to 5 %	2 to 4%

All gel times and thin film set times are taken at 77°F in a 100 gram mass. Higher temperatures and larger volumes will cure faster. Lower temperatures and smaller volumes will cure slower.

( \* ) denotes data extrapolated from known sources

Use adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given in good faith but should be verified by the end user, as is the suitability of the material for their application. The warranty of this material shall be limited to the replacement of defective material.