

Clear Cote™ TECHNO-COTE™

Epoxy; Epoxide
Club Kit, Inc.

Message:

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.

General Information		
Features	Bondability	
	Good Adhesion	
	Good Chemical Resistance	
	Good Impact Resistance	
	Good Strength	
	Good Toughness	
	Low to No Water Absorption	
	Medium Rigidity	
	Solvent Resistant	
Uses	Adhesives	
	Bonding	
	Laminates	
	Pump Parts	
Appearance	Clear/Transparent	
Thermal	Nominal Value	Unit
Heat Distortion		
-- 1	54	°C
-- 2	52	°C
-- 3	57	°C
Operating Temperature		
-- 4	-40 to 66	°C
-- 5	-40 to 66	°C
-- 6	-40 to 66	°C
Thermoset	Nominal Value	Unit
Thermoset Components		

Part A ⁷	Mix Ratio by Weight: 44	
Part B ⁸	Mix Ratio by Weight: 46	
Part C ⁹	Mix Ratio by Weight: 46	
Resin	Mix Ratio by Weight: 100	
Uncured Properties	Nominal Value	Unit
Color		
-- ¹⁰	Amber	
-- ¹¹	Amber	
-- ¹²	Amber	
-- ¹³	Clear/Transparent	
Viscosity		
-- ¹⁴	0.20	Pa · s
-- ¹⁵	0.25	Pa · s
-- ¹⁶	0.40	Pa · s
-- ¹⁷	1.0	Pa · s
Gel Time		
25°C ¹⁸	15	min
25°C ¹⁹	30	min
25°C ²⁰	1.5E+2	min
Cured Properties	Nominal Value	Unit
Shore Hardness		
Shore D ²¹	75 to 80	
Shore D ²²	75 to 80	
Shore D ²³	75 to 80	
Tensile Elongation at Break		
-- ²⁴	2.0 to 4.0	%
-- ²⁵	3.0 to 5.0	%
-- ²⁶	4.0 to 6.0	%
NOTE		
1.	Medium Activator	
2.	Slow Activator	
3.	Fast Activator	
4.	Slow Activator	
5.	Medium Activator	
6.	Fast Activator	
7.	Slow Activator	
8.	Medium Activator	
9.	Fast Activator	
10.	Medium Activator	
11.	Fast Activator	
12.	Slow Activator	
13.	Laminating Resin	

14.	Slow Activator
15.	Medium Activator
16.	Fast Activator
17.	Laminating Resin
18.	Fast Activator
19.	Medium Activator
20.	Slow Activator
21.	Fast Activator
22.	Medium Activator
23.	Slow Activator
24.	Fast Activator
25.	Medium Activator
26.	Slow Activator

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

