



## Technical Data Sheet

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### C'ketz Clear Epoxy SQ

#### Description

C'ketz Clear Epoxy is polymers designed specifically for the purpose of gluing, lamination and coating more sensitive to color. It has excellent adhesion, chemical resistance, heat resistance, ect. Due to its special properties. C'ketz Clear Epoxy resin when mixed with C'ketz Clear Epoxy hardener able to harden at room temperature.

Property	Resin	Hardener	
Appearance	Clear Liquid	Clear Liquid	
Viscosity @ 25°C (cps)	11.000-14000	375-475	ASTM D2196
Color	max.1	max.1	ASTM D1544

Recommended Use ratio Level	resin : hardener = 100 : 60 w/w
	resin : hardener = 100 : 50 v/v

#### Advantages

- Low Viscosity
- Low Color
- Good Color Stability
- Good amine blush resistance
- Excellent corrosion and chemical resistance

#### Applications

- Surfboard Lamination
- Self Leveling Flooring
- Industrial Floor Coatings
- Tank linings – secondary containment
- Mineral castings
- Patching compounds
- Concrete sealers and primers

#### Storage Life

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from heat and excessive humidity in tightly closed containers.

#### Typical Cure Schedule

2-7 days at ambient temperature.

	Method	Units	
<b>Handling Properties</b>			
Gel Time @ 25°C, 100 gram mass		min.	47
Mixed Viscosity @ 25°C		cP	1800
<b>Thin Film Dry Time @25°C</b>			
Dry To Touch		hours	3.0
Cotton Free		hours	5.0
Through Dry		hours	7.7
<b>Peak Exotherm (100 g mass @25°C)</b>			
Temperature		°C	128
Time		min.	60
<b>Cured State Properties</b>			
<b>Cure Schedule</b>		7 days @ 25°C (77°F)	
Glass Transition Temperature (Tg)		°C	45.8
Heat Deflection Temperature	ASTM 648	°C	44.3
Tensile Strength	ASTM D638	psi	7,169
Tensile Modulus		ksi	416
Tensile Elongation		%	6.0
Flexural Strength	ASTM D790	psi	12,200
Flexural Modulus		ksi	451
Hardness	ASTM D2240	Durometer D	85
<b>Chemical Resistance*</b>			
Water		%	0.52
10% acetic acid		%	2.30
Methyl Ethyl Ketone		%	destroyed

\* Percent weight gain after immersion for 3 days @ 25°C – specimen size 1/8" x 1" x 3".