

**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 U	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.

	Method	Units	
Handling Properties			
Gel Time @ 25°C, 100 gram mass		min.	47
Mixed Viscosity @ 25°C		cP	1800
Thin Film Dry Time @25°C			
Dry To Touch		hours	3.0
Cotton Free		hours	5.0
Through Dry		hours	7.7
Peak Exotherm (100 g mass @25°C)			
Temperature		°C	128
Time		min.	60
Cured State Properties			
Cure Schedule	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
Chemical Resistance*			
Water		%	0.52
10% acetic acid		%	2.30
Methyl Ethyl Ketone		%	destroyed

<sup>r</sup> Percent weight gain after immersion for 3 days @ 25°C – specimen size 1/8" x 1" x 3".

# **Typical Cure Schedule**

2-7 days at ambient temperature.

Greatchemindo Satria Putramas, Pondok Chandra Indah JI. Palem I Blok TC-39 Wadung Asri, Waru, Sidoarjo, INDONESIA Telp. 031-8958333, fax. 031-8673174 http://www.cketz.com

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**Clear EPOXY** 

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