

Technical Data Sheet

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C'ketz Clear Epoxy HQ

Description

C'ketz Clear Epoxy HQ 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	440 - 460	ASTM D2196
Color	max.1	max.1	ASTM D1544

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

Advantages

- Excellent colour and colour stability
- High gloss films
- Non-blushing
- Excellent chemical resistance to water, inorganic acids, alkalis and certain organic solvents including xylene and trichloroethane; good against dilute acetic acid

Applications

- Surfboard Lamination
- Self levelling flooring
- Solvent free and high solids floor and wall coatings
- Water wipeable tile grouts
- Wet lay-up laminating

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.

TYPICAL HANDLING PROPERTIES

Mixed Viscosity @ 25°C (mPas)	2400
Gel Time min (150g mix @ 25°C) min	50
Thin Film Set Time @ 25°C, h	7
Thin Film Set Time @ 10°C h	19.5
Shore D 20°C (24 h)	78
Shore D 10°C (24 h)	47
Peak Exotherm (100g mix @ 25°C)	90

TYPICAL CURE SCHEDULE

2 - 7 days at ambient temperature

TYPICAL PERFORMANCE PROPERTIES

(following 7 days at ambient temperature)

Barcol hardness (Model GYZJ 935)	81
Flexural Strength, [MPa]	84
Flexural Modulus, [GPa]	2.8
Tensile Strength, [MPa]	51
Tensile Modulus, [GPa]	2.4
Carbamation Test	2
Compressive Strength [MPa]	62
Compressive Modulus [GPa]	1.4
HDT [°C]	46