

CCR

Clear Casting Epoxy Resin



HARDENERS

EPOXY

Water clear, low viscosity, UV stable, designed for casting, embedding and high build coating applications.

Popular Uses



JEWELLERY



HIGH BUILD COATINGS



CASTINGS

Specifications

Resin Hardener	PROCESSING DATA					
	Mix Ratio by Volume	Mix Ratio by Weight	Mixed Viscosity (mPa·s @ 25°C)	Pot Life (min @ 25°C)	Tack Free (hr @ 25°C)	Recommended Full Cure
SLOW						
CCR	2	100	270	360	72	7 days @ 25°C Post cure recommended
CCS	1	42				

Key Features

- ▶ High clarity and slow cure speeds allow for high build or bulk castings

FAST						
Resin	Mix Ratio by Volume	Mix Ratio by Weight	Mixed Viscosity (mPa·s @ 25°C)	Pot Life (min @ 25°C)	Tack Free (hr @ 25°C)	Recommended Full Cure
CCR	2	100	370	90	24	7 days @ 25°C Post cure recommended
CCF	1	43				

Key Features

- ▶ High clarity for use on coloured substrates or embedment

Pouring Quick Guide CCF 100:43 / CCS 100:42

Working Temp Range °C

Resin GRAMS	Hardener CCF GRAMS	Mix Volume CCR/CCF ml	Hardener CCS GRAMS	Mix Volume CCR/CCS ml
25	10.75	33.10	10.5	33.18
50	21.5	66.20	21	66.36
75	32.25	99.30	31.5	99.53
100	43	132.41	42	132.71
150	64.5	198.68	63	199.07
300	129	397.22	126	398.13
350	150.5	463.43	147	464.49
400	172	529.63	168	530.84
450	193.5	595.83	189	597.20

Suggested maximum total mix 1000g



● OPTIMAL ● EXTENDED

Smaller amounts recommended at higher temperatures to avoid exotherm. Lower temperatures will take longer to cure.

Volume Calculations

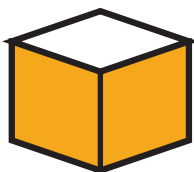
Maximum castable amounts at 25°C ambient temperatures.

Fast
250g/231ml



approx
62mm cube

Slow
1000g/935ml



approx
100mm cube

Application Tips

For best results, measure two components by weight at the correct mix ratio.

Always mix product thoroughly for at least 2 minutes, scraping all surfaces of the container to ensure complete mixing.

Use product in a ventilated and controlled temperature environment within the optimal specifications of the product. Avoid high humidity or cold ambient temperatures.

For optimal bonding performance, be sure surface is dry and free of dirt, debris and/or oils. Sanding preparation of the surface is highly recommended.

Build sample coupons using proposed materials and processes to fully understand curing characteristics of the epoxy in your working environment and compatibility with other materials.

FOR MORE TIPS, VISIT US ON THE WEB AT

entropyresins.com/how-to-guide

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