

# CCR

CLEAR CASTING  
RESIN

# Technical Data Sheet

SUPER SAP® CCR System

Clear, Low Viscosity Liquid Epoxy Resin for  
Casting, Potting, and Embedments

## Product Overview

SUPER SAP® CCR System is a clear, UV stabilized epoxy system designed specifically for casting, potting, and embedding applications. Low color and low viscosity allow for bubble free, crystal clear castings ideal for art and hobby applications. The system features two hardener speeds; slow (CCS) for high build casting resin applications and fast (CCF) for quick, small project fast casting resin applications such as resin jewelry and more.  
Super Sap – Make Things Better.

CCF  
FAST

CCS  
SLOW

### MECHANICAL DATA

Tensile Modulus (ASTM D638)	3.1 GPa	3.0 GPa
Tensile Strength (ASTM D638)	56.1 MPa	54.5 MPa
Elongation (ASTM D638)	6%	6.5%
Flexural Modulus (ASTM D790)	2.7 GPa	2.8 GPa
Flexural Strength (ASTM D790)	81.7 MPa	76.5 MPa
Compression Strength (ASTM D695)	85.4 MPa	74.9 MPa
Tg Ultimate (DSC, midpoint)	48°C	53°C
Hardness (Shore D)	70-80	70-80

### PROCESSING DATA

Mix Ratio (by volume)	2:1	2:1
Mix Ratio (by weight)	100:43	100:43
Viscosity (A/B/Mixed @ 25 °C)	1850/35/280	1850/25/195
Component Density (specific density @ 25°C)	1.12 (resin), 0.97 (hardener)	1.12 (resin), 0.95 (hardener)
Mixed Density (specific density @ 25°C)	1.07	1.07
Pot Life (@ 25°C)	90 min	360 min
Tack Free Time (@ 35°C)	24 hrs	72 hrs
Recommended Full Cure	7 days @ 25°C, Post cure recommended	7 days @ 25°C, Post cure recommended

### ENVIRONMENT DATA

VOC Content (ASTM D2369)	9.2 g/l	8.0 g/l
Biobased Carbon Content (ASTM D6866)	17%	17%

These are typical properties and cannot be construed as a specification. The end users should test the products to ensure the products are suitable for the intended application. Any information, data, advice or recommendation published by Wessex Resins or obtained from Wessex Resins by other means and whether relating to Wessex Resins' materials or other materials, is given in good faith and believed to be reliable.

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EN-09/2018



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