

# Technical Data Sheet

## SUPER SAP® CLR System

Clear, UV Stable Epoxy Resin for high color work laminations, coatings and marine epoxy applications.

### Product Overview

SUPER SAP® CLR Epoxy Resin is our flagship, high-performance clear coating epoxy resin system. The CLR System is a water clear, UV stabilized epoxy system for applications that require a low color, low yellowing epoxy resin such as high color applications. This system features a quick air-release and a world-class UV resistance package. SUPER SAP® CLR works with multiple hardeners to match your working parameters. It has an ideal viscosity for a wide range of applications that use hand layup techniques with fast room temperature cures. Super Sap - Make Things Better.

**CLX**  
EXTRA FAST

**CLF**  
FAST

**CLS**  
SLOW

MECHANICAL DATA			
<b>Tensile Modulus (ASTM D638)</b>	450,000 psi (3.1 GPa)	440,000 psi (3.0 GPa)	468,000 psi (3.2 GPa)
<b>Tensile Strength (ASTM D638)</b>	9,500 psi (65.5 MPa)	9,500 psi (65.5 MPa)	9,800 psi (67.6 MPa)
<b>Elongation (ASTM D638)</b>	6%	5%	6%
<b>Flexural Modulus (ASTM D790)</b>	440,000 psi (3. GPa)	440,000 psi (3. GPa)	430,000 psi (3. GPa)
<b>Flexural Strength (ASTM D790)</b>	14,000 psi (96.5 MPa)	13,500 psi (93.1 MPa)	14,580 psi (100.5 MPa)
<b>Compression Strength (ASTM D695)</b>	11,330 psi (78.1 MPa)	11,330 psi (78.1 MPa)	12,520 psi (86.3 MPa)
<b>Tg Ultimate (DSC, midpoint)</b>	170°F/62°C	149°F/51°C	171°F/63°C
<b>Hardness (Shore D)</b>	70-80	70-80	70-80
PROCESSING DATA			
<b>Mix Ratio (by volume)</b>	2:1	2:1	2:1
<b>Mix Ratio (by weight)</b>	100:47	100:47	100:47
<b>Viscosity (A/B/Mixed @ 77 °F/25 °C)</b>	1850/100/580	1850/265/725	1850/500/800
<b>Component Density (specific density @ 77°F/25°C)</b>	1.12 (epoxy), 1.02 (hardener)	1.12 (epoxy), 1.01 (hardener)	1.12 (epoxy), 0.98 (hardener)
<b>Mixed Density (specific density @ 77°F/25°C)</b>	1.09	1.08	1.08
<b>Pot Life (@ 77°F/25°C)</b>	18 min	21 min	43 min
<b>Tack Free Time (@ 95°F/35°C)</b>	2 hrs	4 hrs	8 hrs
<b>Recommended Full Cure</b>	7 days @ 77°F/25°C	7 days @ 77°F/25°C	7 days @ 77°F/25°C, Post cure recommended
ENVIRONMENT DATA			
<b>VOC Content (ASTM D2369)</b>	0.16 lbs/gal (19.5 g/L)	0.26 lbs/gal (31.5 g/L)	0.13 lbs/gal (16.1 g/L)
<b>Biobased Carbon Content (ASTM D6866)</b>	21%	21%	29%

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