

CLR

CLEAR LAMINATING
RESIN

Technical Data Sheet

SUPER SAP® CLR System

Clear, UV Stable Epoxy Resin for high colour 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 colour, low yellowing epoxy resin such as high colour 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

Tensile Modulus (ASTM D638)	3.1 GPa	3.0 GPa	3.2 GPa
Tensile Strength (ASTM D638)	65.5 MPa	65.5 MPa	67.6 MPa
Elongation (ASTM D638)	6%	5%	6%
Flexural Modulus (ASTM D790)	3.0 GPa	3.0 GPa	3.0 GPa
Flexural Strength (ASTM D790)	96.5 MPa	93.1 MPa	100.5 MPa
Compression Strength (ASTM D695)	78.1 MPa	78.1 MPa	86.3 MPa
Tg Ultimate (DSC, midpoint)	77°C	65°C	77°C
Hardness (Shore D)	70-80	70-80	70-80

PROCESSING DATA

Mix Ratio (by volume)	2:1	2:1	2:1
Mix Ratio (by weight)	100:47	100:47	100:47
Viscosity (A/B/Mixed @ 25 °C)	1850/100/580	1850/265/725	1850/500/800
Component Density (specific density @ 25°C)	1.12 (resin), 1.02 (hardener)	1.12 (resin), 1.01 (hardener)	1.12 (resin), 0.98 (hardener)
Mixed Density (specific density @ 25°C)	1.09	1.08	1.08
Pot Life (@ 25°C)	18 min	21 min	43 min
Tack Free Time (@ 35°C)	2 hrs	4 hrs	8 hrs
Recommended Full Cure	7 days @ 25°C	7 days @ 25°C	7 days @ 25°C, Post cure recommended

ENVIRONMENT DATA

VOC Content (ASTM D2369)	19.5 g/l	31.5 g/l	16.1 g/l
Biobased Carbon Content (ASTM D6866)	21%	21%	29%

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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