



EP4020 Mid-Viscosity Ultra Clear 2:1 Epoxy Resin for Structural Timber Applications

Technical Data Sheet

DESCRIPTION	EpoxyPro EP4020 is a mid-viscosity, 100% solids clear epoxy system designed for structural timber applications where additional body and gap-filling performance are required. Its controlled viscosity provides excellent wetting, bonding and mechanical strength while reducing excessive run-off on uneven or porous timber surfaces. EP4020 is ideal for timber repairs, laminating, bonding, filling cracks and voids, and general structural applications. Once cured, it provides excellent resistance to moisture and wear while retaining sufficient flexibility to accommodate natural timber movement for durable, long-lasting protection.	
PROPERTIES	Mixing Ratio	2 parts “A” to 1 parts “B” by volume
	Pot Life	35 - 45 Minutes at 25°C
	Setting Time	2 Hours at 25°C
	Cure Time	24 Hours at 25°C
	Viscosity Part A	11000 - 15000 cps
	Viscosity Part B	400 - 800 cps
	Viscosity Mixed	8867 cps
PRODUCT SPECIFICATION	Mid-viscosity clear 2:1 epoxy designed for structural timber bonding, gap-filling, repairs and durable surface protection.	
CURED PROPERTIES	Shore D Hardness	82 - 86
	Tensile Strength	55 – 65 MPa
	Flexural Strength	90 – 105 MPa
	Compressive Strength	85 - 95 MPa
SURFACE PREPARATION	Good adhesion can only be achieved if proper pre-treatment of surfaces to be bonded is carried out. Any surface impurities on the casting surfaces can reduce the bond strength or inhibit the bond to the items being encapsulated. It is recommended to clean all surfaces with acetone or isopropyl alcohol. Wire brushing is not an adequate surface preparation and will produce poor adhesion.	
AVAILABILITY	EpoxyPro EP4020 is available in 1.5L, 3L, 6L, 12L, 15L, 30L kits. BULK SUPPLIES ARE AVAILABLE	
CLEANING	Use alcohol-based solvents like IPA, ethanol, or acetone to clean mixing implements and tools. General-purpose thinners are recommended to keep working equipment clean. Always wear disposable rubber gloves to protect your hands and maintain proper industrial hygiene.	
TECHNICAL SERVICE	All EpoxyPro EP4020 customers are welcome to access our expert technical support for epoxy resin applications. The procedures and recommendations provided are current best practices; however, ongoing research and development may lead to updates or changes without prior notice.	