

NIGHTINGALE SUPPLY

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TECHNICAL DATA SHEET

EPOXY: ER90 JOINERS GLUE

Epoxy Resin Kit. 24 hour cure. Equal Parts 1:1

- **DESCRIPTION:**

Epoxy ER 90 JOINERS GLUE is a medium viscosity adhesive with a simple to use mix ratio of one to one by volume ratio, which has excellent bonding ability to many materials used by joiners, carpenters and boat builders.

The adhesive has a 30 – 50 minute working time in the pot and a 24 hour full cure time at ambient temperature. The viscosity can be thickened by adding fillers such as Cabosil, Q-cells or microballons etc. This will help prevent draining or for filleting or coving or gap filling, however these may affect the bond strength and quality of the adhesive so we recommend that you test before proceeding.

- **USES:**

Epoxy ER 90 JOINERS GLUE has many useful places in cabinet and boat building work. The adhesive has a medium viscosity and is ideal for veneer facing work and fine joinery where fine glue lines are required with high strength. Also in the planking of cold molded or strip plank construction of boats it is ideal. The glue lines dry to a light brown colour. Excess glue squeeze out can be first scraped off and then cleaned off with a rag soaked in solvent such as M.E.K. or Acetone. Take care to avoid direct contact with skin and wear a respirator in confined areas.

- **PROPERTIES:**

▪ Mix Ratio (by weight)	100:80
▪ Mix Ratio (by volume)	1:1
▪ Viscosity @ 15°C (cP)	50,000
▪ Viscosity @ 20°C (cP)	32,000
▪ Viscosity @ 25°C (cP)	1,850
▪ Viscosity @ 30°C (cP)	1,200
▪ Shelf Life	24 months
▪ Colour mixed (Gardener)	4
▪ Mixed density (g/m ³)	106
▪ Hazard Definition	Part A = Non hazardous Part B = Non hazardous

- **CURED PROPERTIES:**

▪ Tg	55°C
▪ HTD at ambient	45°C (Post curing will improve properties)
▪ Cured density	106g/m ³
▪ Linear shrinkage	1.6%
▪ Cleavage strength	6.30kN
▪ Shear strength	20 mpA

- **SAFETY:**

Avoid direct contact with skin; wear gloves and safety glasses when mixing and handling.
Avoid breathing in dust and wear respirator when working in confined spaces.
Wash up with non-hazardous cleaners such as Paint Eliminator.
Please read Material Safety Data Sheet.

The information presented is believed to be accurate, however, no guarantee is implied or given. User should conduct their own testing to determine the suitability of any product for a particular purpose.