

Ivory 318B

Thixotropic Liquid Epoxy Adhesive & Laminating Resin

Description

A solvent free, adhesion promoted medium viscosity epoxy laminating resin and adhesive for cold moulding. Non-drip thixotropic epoxy for vertical applications.

Uses

Glass fibre sheathing of wooden hulls. An adhesive for cold moulding of plywood and timber hulls. Construction of glass reinforced fuel and water tanks.

Resistance

- Unaffected by continuous immersion in salt and fresh water.
- Excellent resistance to osmosis.
- Unaffected by mineral oils and greases, petroleum and diesel fuel.

Surface preparation

Any surface to be treated must be clean, dry and sound and free of any contamination or old coating materials. Vacuum cleaning and wiping with Ivory Epoxy Thinners is recommended. Smooth surfaces should be roughened by appropriate means. Teak or other oily timbers to be thoroughly wiped with oil-free acetone.

Mixing

Using volumes strictly in accordance with the given ratio mix the two components together thoroughly until a homogenous material results. Immediately transfer mixed components into a clean wide bottomed plastic bowl or tray. If a filled material is required add the filler only after complete mixing of the two components has taken place.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

No of components	:	2
Mixing Ratio		
Ep/Act by volume	:	2:1
Pot life @ 25°C	:	20 minutes
Drying time	:	2½ hours touch dry
Full Cure	:	7 days
Colour	:	Clear
Volume Solids	:	100%
Application Temp	:	Min 12°C Max 30°C
Viscosity @ 25°C	:	3150 cps
Tensile Strength	:	10 - 14 mPa
Adhesion to Wood	:	Wood fractures
Shelf Life	:	1 year
Cleaner	:	W.S.B.C.

Caution

Avoid applications under conditions of high relative humidity (above 85%) or when the temperature is less than 2°C above the dew point. Store components in a cool place prior to mixing.

Health and safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheet available from Flowcrete on request and sent with each delivery.

Application

Apply mixed material to one face, adhered thickly enough to extrude when both faces are mated. These faces are to be kept under compression until the adhesive layer has set.