BOATEX EPOXY RESIN
epigen BTX Laminating System

epigen
Performance Resins & Composite Systems

Boatex is an epoxy laminating system specifically formulated to provide optimium performance under conventional use conditions.

The basis of the system is one resin that can be used with either of two curatives. The curatives may be mixed to form a hybrid of the individual curatives to provide for a range of practical outcomes.

Whether professional boatbuilders or industrialist are working with cored fibre composites, solid fabrication of heavy duty laminates, or simple repairs, Boatex is suitable for use in simple room temperature cured fibreglass work to post cured carbon laminates where higher than normal properties are required.

PROFILE

Colour	All parts are water clear/amber
Ratio by weight	All parts are 4 "A" to 1 "B"
Pot Life minutes @ 20°C	45
Mixed consistency @ 20°C	Flowable Liquid
Specific gravity when mixed	1.05

FEATURES

High strength laminates

Stiffer and tougher laminates than conventional general purpose epoxy

Free of all solvents - zero VOC.

Engineered for high mechanical strength.

Versatility in application.

Choose the hardeners combination to best suit your application and working time.

Suitable for vacuum bagging, allowing enough time to consolidate and apply vacuum before gel.

Suitable with dark colours

CURE

Variations in cure may arise due to the amount of material being applied, the thickness of material being applied, the surface temperature, and the product temperature. The cure may be increased by heating product or by leaving mixed material stand for 15 minutes before use. The cure may be decreased by cooling the product before mixing.

	Fast Curative	Slow Curative
Heat deflection temp °C	100	148
Elongation %	2.5	5.5
Flexural strength MPa	115	162
Flexural modulus MPa	2600	3520
Tensile strength MPa	65	72
Tensile modulus MPa	3400	2240
Typical cure recommended	2-7 days ambient temperature, or 2 hours @ 60°C.	ambient cure to set followed by post curing 2hrs @ 70°C, 2hrs @ 120°C, 2hrs @ 150°C for ultimate achievement of properties quickly.