

KINETIX® ECO-X R130 is a solvent free, bio-based epoxy resin specifically formulated for use with H125 Standard and H130 Fast hardeners to provide a rapid room temperature cure for surfboard lamination of EPS/ polystyrene or polyurethane foam.

ECO-X R130 is optimised to enhance the brightness of boards manufactured with white blanks, and cures to a bloom-free finish that has excellent adhesion to polyester or polyurethane topcoats.

This bio-based system is an eco-friendly alternative that is available with a choice of two hardener speeds. Fabricators have a choice of flip speeds - the H130 Fast can be flipped within 3 hours and sanded within 5 hours @ 25° C *, which is approximately half the turnaround time of the H125 Standard hardener.

**speed of both systems will be dependant on ambient temperature.*

Superior toughness, and resistance to yellowing, provides extended longevity with normal use.

Components used in the manufacture of ECO-X R130 are made from renewable feedstock and by-product of existing industrial processes. Production consumes less energy and water than standard petroleum based epoxies, and also reduces wastes and greenhouse gas emission.

MIX RATIO

1 part hardener to 2 parts resin by volume
43 parts hardener to 100 parts resin by weight

Note: Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio. Contact ATL Composites for specific information

APPLICATION

When applying additional epoxy coats, or coating with polyester resin or polyurethane topcoats, the cured epoxy should be rinsed with clean water *first*, and then wet abraded with sandpaper or a scotch-brite pad*, to ensure good inter-coat adhesion.

Allow to dry before overcoating.

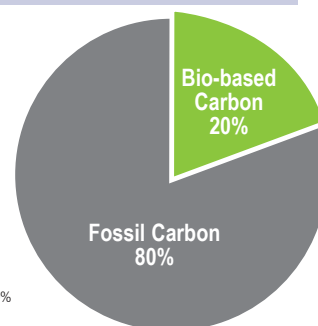
**Please note ATL Composites recommends WHITE scotch-brite pads for this application rather than coloured pads.*

ECO-X R130 is not suitable for laminating surfboards that are intended to have a clear timber or clear carbon finish. KINETIX ECO-X R135 should be used for these applications.

BIO-BASED CARBON CONTENT**

(ASTM D6866-16)
Test Method B (AMS)

■ % Bio-based



** Independantly tested by Beta Analytic Inc. to ASTM D6866-16 Method B (AMS) to confirm 20% bio-based carbon content in the cured system.

UNCURED PROPERTIES

	R130	H125 Standard	H130 Fast
Physical State	Light Straw Coloured Liquid	Clear Liquid	Clear Liquid
Viscosity mPas @ 25°C	10,960	25	45
Specific Gravity g/ml @ 25°C	1.17	0.99	1.01

CURE CHARACTERISTICS

	H125 Standard	H130 Fast
Pot Life -100g @ 25°C (in air)	34 mins	17 mins
Mix Viscosity mPas @ 25°C	545	696
Shore 'D' Hardness-		
24 hrs @ 25°C	79	79
24 hrs @ 25°C + 16 hrs @ 40°C	84	84
Glass Transition Temperature -		
24 hrs @ 25°C	35°C	43°C
24 hrs @ 25°C + 16 hrs @ 40°C	57°C	55°C
24 hrs @ 25°C + 8 hrs @ 60°C	65°C	61°C
24 hrs @ 25°C + 4 hrs @ 80°C	69°C	64°C
7 days @ 25°C	49°C	48°C

PACK SIZES				
Order Code		Order Code		PACK
Resin		Hardener		
RB130	2 L	HB130	1 L	3 L
RC130	4 L	HC125 HC130	2 L 2 L	6 L
RD130	20 L	HD125 HD130	10 L 10 L	30 L
RF130	200 L	HF125 HF130	100 L 100 L	300 L

STORAGE

KINETIX R130 resin and H125 Standard and H130 Fast hardeners will keep for 2 years if kept in original containers at room temperature (15°C to 32°C), and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

HEALTH AND SAFETY

KINETIX R130 resin and H125 Standard and H130 Fast hardeners have moderate sensitising potential, and should be kept out of the eyes and off the skin.

- Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.
- If skin contact occurs, remove contaminated clothing immediately, and wash the affected area thoroughly with water, avoiding the use of solvents except in the case of massive contamination.
- If eye contact occurs, immediately flush with running water for at least fifteen (15) minutes and seek medical advice.
- If swallowed:

Resins - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.

Hardeners - DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.

NOTE Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages. 10.05.18



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