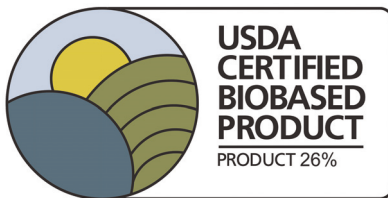


KINETIX® ECO-X R135 is a solvent free, bio-based epoxy resin specifically formulated for use with H135 bio-based hardener. The system will provide a room temperature, bloom-free finish for surfboard lamination of timber, EPS/polystyrene or polyurethane foam with standard E-fibreglass or Flax Reinforcements. Toughness and resistance to yellowing provides extended longevity with normal use.

Components used in the manufacture of ECO-X R135 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.

KINETIX® R135 H135 is a
USDA Certified Biobased Product.



For further information, go to
<http://www.biopreferred.gov>

MIX RATIO

1 part hardener to 2 parts resin by volume
42 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.

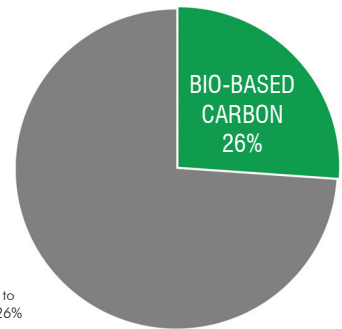
**Please note ATL Composites recommends WHITE scotch-brite pads for this application rather than coloured pads.*

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 26% bio-based carbon content in the cured system.



UNCURED PROPERTIES

	R135	H135
Physical State	Pale Yellow Liquid	Clear Liquid
Viscosity mPas @ 25°C	6,300	62
Specific Gravity g/ml @ 25°C	1.14	1.02

CURE CHARACTERISTICS

	H135
Pot Life -100g @ 25°C (in air)	21 mins
Mix Viscosity mPas @ 25°C	650
Shore 'D' Hardness-	
24 hrs @ 25°C	76
24 hrs @ 25°C + 16 hrs @ 40°C	80
Glass Transition Temperature -	
24 hrs @ 25°C	38°C
24 hrs @ 25°C + 16 hrs @ 40°C	45°C
24 hrs @ 25°C + 8 hrs @ 60°C	48°C
24 hrs @ 25°C + 4 hrs @ 80°C	54°C
7 days @ 25°C	45°C

PACK SIZES				
Order Code		Order Code		PACK
Resin		Hardener		
RB135	2 L	HB135	1 L	3 L
RC135	4 L	HC135	2 L	6 L
RD135	20 L	HD135	10 L	30 L
RF135	200 L	HF135	100 L	300 L

STORAGE

KINETIX R135 resin and H135 hardener 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 R135 resin and H135 hardener 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. 25.5.18



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