

KINETIX® R111 is a solvent free, liquid epoxy resin optimised with a translucent blue tint to produce a clear, bright laminating system for production surfboard lamination. KINETIX® R111 cures to a bloom-free finish that is UV stable and has excellent resistance to yellowing.

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.

KINETIX R111 is not suitable for laminating surfboards that are intended to have a clear timber or clear carbon finish. KINETIX R104 should be used for these applications.

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, 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.*

UNCURED PROPERTIES

	R111	H125 Standard	H130 Fast
Physical State	Opaque Blue Liquid	Clear Liquid	Clear Liquid
Viscosity mPas @ 25°C	10,220	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)	36 mins	17 mins
Mix Viscosity mPas @ 25°C	530	680
Shore 'D' Hardness-		
24 hrs @ 25°C	80	81
24 hrs @ 25°C + 16 hrs @ 40°C	84	84
Glass Transition Temperature -		
24 hrs @ 25°C	32°C	40°C
24 hrs @ 25°C + 16 hrs @ 40°C	57°C	58°C
24 hrs @ 25°C + 8 hrs @ 60°C	64°C	68°C
24 hrs @ 25°C + 4 hrs @ 80°C	74°C	68°C
7 days @ 25°C	46°C	46°C

PACK SIZES				
Order Code		Order Code		PACK
Resin		Hardener		
RB111	2 L	HB130	1 L	3 L
RC111	4 L	HC125 HC130	2 L 2 L	6 L
RD111	20 L	HD125 HD130	10 L 10 L	30 L
RF111	200 L	HF125 HF130	100 L 100 L	300 L

STORAGE

KINETIX R111 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 R111 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 claim is replacement of our materials and in no event shall we be liable for special or consequential damages. 20.10.20



ATL composites Pty Ltd
 Tel (+61) 7 5563 1222
 Fax (+61) 7 5563 1585
 info@atlcomposites.com
 www.atlcomposites.com