

TECHNIREZ R2517 is a solvent free, liquid epoxy resin specifically designed for use with H2430 and H2431 hardeners to cure at temperatures ranging from 15°C to 60°C.

The two hardeners H2430 Fast and H2431 Slow enable the cure time to be adjusted according to the ambient temperature.

This system is suitable for general purpose laminating applications.

MIX RATIO

25 parts H2430 hardener to 100 parts resin by weight
25 parts H2431 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.

UNCURED PROPERTIES			
	R2517	H2430 fast	H2431slow
Physical State	Clear liquid	Amber liquid	Clear liquid
Viscosity mPas@ 25°C	900-1100	1500-1800	150-200
Specific Gravity g/ml@ 25°C	1.12	1.06	1.00
Flash Point	250°C	100°C	136°C

CURE CHARACTERISTICS		
	H2430	H2431
Pot Life - 100g @ 25°C	12-15 mins	35-45 mins
Thin laminate gel time @ 25°C	2 hours 30 mins	4 hours 30 mins
Demould Time @ 25°C	5 hours	12 hours
Mix Viscosity mPas@ 25°C	725	550
Shore D Hardness	79	84
HDT 24 hrs @ 25°C	47	43
2 weeks @ 25°C	53	50
8 hrs @ 60°C	77	68
4 hrs @ 120°C	75	74

TYPICAL CURED PROPERTIES		
	H2430	H2431
Tensile strength	50MPa	51MPa
Tensile elongation	10%	9%
Tensile modulus	3.0 GPa	3.1 GPa
Compressive strength	50 MPa	55 MPa
Flexural strength	96MPa	81MPa
Flexural modulus	3.0MPa	3.1MPa

*Typical values, not to be construed as specification

PACK SIZES

Order Code

Resin		Hardener		Pack
RC 2517	4 kg	HC 2430	1 kg	5 kg
		HC 2431	1 kg	
RD 2517	20 kg	HD 2430	5 kg	25 kg
		HD 2431	5 kg	
RF 2517	200 kg	HF 2430	50 kg	250kg
		HF 2431	50 kg	

STORAGE

TECHNIREZ R2517 resin and H2430 and H2431 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

TECHNIREZ R2517 resin and H2430 and H2431 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 ATL’s 845 hand cleaner and 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 15 (fifteen) 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. 13/03/07

