

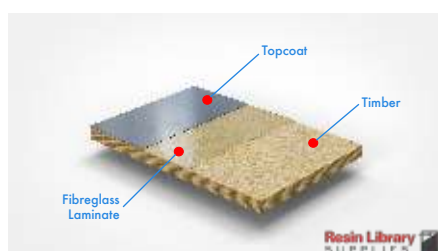
Fibreglass (GRP) Roof Repair Kit

Ideal For Repairing and Refurbishing Fibreglass Roofs

Product Overview

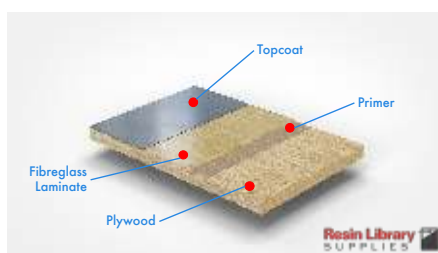
A fibreglass membrane designed to protect, repair and restore roofing membranes, extending their operational lifetimes.

Ideal for: fibreglass, plywood and timber roofing surfaces requiring repair or refurbishment.



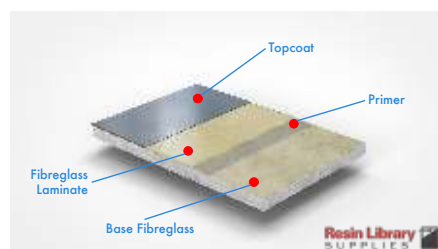
Application to Timber Decking

Preparation: removal of fibreglass laminate to expose timber decking. Requires abrasive treatment (sanding) prior to application of fibreglass repair system. **Recommended for:** patch repairs or resurfacing where laminate has failed.



Application to Plywood

Preparation: removal of fibreglass laminate to expose plywood layer (if used). Requires abrasive treatment (sanding) prior to application of fibreglass repair system. **Recommended for:** patch repairs or resurfacing where laminate has failed.



Application to Fibreglass

Preparation: surface abrasion of fibreglass covering to remove damaged section(s). Requires abrasive treatment (sanding) and an acetone wipe prior to application of fibreglass repair system. **Recommended for:** overlays and refurbishments of existing fibreglass membranes.

Benefits



Fast Cure Times

Partial cures within 1 hour



Water Resistant

Seamless surfaces provide resistance to water and other substances across its lifetime



Ease of Installation

Each kit comes with materials and tools with a range of detailed guides available.



Excellent Bonding

Fibreglass, with a primer, forms a strong unified bond with existing fibreglass.



Strong & Durable

Each kit comes with materials and tools with a range of detailed guides available.



Chemical Resistance

Demonstrates broad chemical resistance to selected chemicals

WARNING! Read the Safety Data Sheets (SDSs) available for download on the product page. Wear appropriate protective eyewear, clothing, and gloves and other PPE. Perform a full risk assessment, method statement and COSHH form in advance.

Note: coverage levels will vary with surface profile and temperature

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Laminate Mechanical Properties

PROPERTY	VALUE	STANDARD*
THICKNESS	1.20 +/- 0.15 mm	-
SHORE D HARDNESS	86.2 +/- 1.4	ISO 868
DENSITY	1.44 +/- 0.01 kg/m ³	ISO1183-1
WEIGHT/AREA	1.9 +/- 0.1 kg/m ²	-
TENSILE STRENGTH	81.9 +/- 8.5 MPa	ASTM D3039
TENSILE MODULUS	6552 +/- 819 MPa	
FLEXURAL STRENGTH	183.6 +/- 26.8 MPa	ASTM D7264
FLEXURAL MODULUS	5364 +/- 507 MPA	

*Data based on third-party, independent testing

Surface Design

Suitable for the repair of existing fibreglass roofs

interior, vertical and overhead repairs and refurbishments of existing fibreglass structures, such as:

- Patch repairs
- Refurbishment: overlays
- Refurbishment: overdecking
- Pre-emptive repairs
- Replacement of failed fibreglass

Note: Underlying substrate **MUST** be dry and free from damp/moisture exposure. Failing to eliminate moisture will result in a failed repair. Underlying substrate must not have been exposed to moisture prior to usage.

Substrate Requirements

The base surface should be free from dust, debris, grease and other contaminants. More invasive surface preparation may be required if an existing membrane is on the surface. The substrate should be dry to 75% RH as per BS8204 and should have no rising damp and ground water pressure.

Installation Guidance

Apply within a temperature range of 10 – 25 °C and a maximum air humidity of 85%.

Apply the system and ensure the repair does not move prior to curing (see Curing Times table).

Do not create layers exceeding 4 mm (approx. 3 layers of laminate) without allowing time to cure; exotherms can form and lead to shrinkage.

Catalyse a workable amount of polyester resin and apply a thin layer to the fibreglass surface. Place dry or pre-wetted matting onto the damaged area. Saturate with resin and then consolidate using a paddle roller. Allow to cure in accordance with cure adjacent times.

Topcoat application: confirm with manufacturer of paint before using.

Please follow user manual available on the Downloads section of the product page.

System Design

MATERIALS		SPECIFICATION
PRIMER (OPTIONAL)		0.5 kg/m ²
FIBREGLASS LAMINATE	POLYESTER RESIN	1.5 – 1.7 kg/m ²
	GLASS FIBRE MATTING	600 gram CSM (single layer)
TOPCOAT		0.5 – 0.6 kg/m ²

Example Applications

Suitable for the repair, refurbishment and pre-emptive protection fibreglass-based roofing structures.

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Performance Considerations

Fibreglass can bond to a range of roofing substrates when adequate surface preparation is used. Coupled with the superior mechanical and waterproofing properties of the system, users can expect a more durable surface in the form of a new installation, upgrade or repair.

This ultimately means a reduction in the need for future repairs, maintenance and cleaning and an overall extended lifetime. An aesthetic finish can be created with the inclusion of an added topcoat/flowcoat or a compatible paint system.

Environmental and health considerations are controlled during the manufacture and storage of the products by Resin Library. The performance of this product is dependent on the skill of the user.

Ordering

Resin Library Fibreglass Repair Kits for Fibreglass are available online via

<https://www.resinlibrary.com/product/fibreglass-grp-flat-roof-repair-kit/>

Kit Sizes



FIBREGLASS ROOF REPAIR KITS

SIZE (m ²)	0.1	0.25	0.5	1	2	3	5
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Limitations

- Not intended as a substitute for structural repair.
- Do not apply to damp fibreglass or equivalent

Cure Times

	10°C	20°C
PARTIAL CURE	4 hours	1 hour
FULL CURE	48 hours	24 hours

Storage

	RECOMMENDATIONS
SHELF LIFE	6 months from date of receipt in original, unopened containers
STORAGE CONDITIONS	Store in a cool, dark and dry environment Keep away from sources of ignition and contamination. Store in original sealed container at temperatures under 20 °C. Protect from direct sunlight.

Tool Cleaning

Tools should be soaked in acetone prior to curing to prevent resin hardening in between usage. Resin hardening occurs after 20 minutes.

Note

No resin system is completely resistant to changes in colour over time. Colour changes in polyester resin topcoat are dependent on UV exposure, temperatures and duration of water exposure. Such changes can be offset by the addition of a suitable topcoat.

Disclaimer

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