

FIBREGLASS ROOF CONSTRUCTION

Part 3/5: Edge Trim Installation



User Guide and Manual

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3.2. Background

This section details the steps involved in creating the laminate on a fibreglass roof.

Its part 2 of a 5-part series where we cover health and safety, as well as the installation of edge trims, laminating and eventually topcoat application.



You can purchase Resin Library fibreglass roofing kits in a range of sizes, simply click the link in the description below.

WARNING! Read the Safety Data Sheets (SDSs) available for download on the product page. Wear appropriate protective eyewear, clothing, and gloves and other PPE. Safety Data Sheets (SDSs) are available from www.resinlibrary.com/product/600g-fibreglass-grp-flat-roofing-kit/. Perform a full risk assessment, method statement and COSHH form in advance.

Table 1. Fibreglass Roofing Kit

Product	Size (m ²)	Note	Ordering
Fibreglass (GRP) Roof Kits	1	Materials and tools included based on kit size	> Find out more <
	2		
	3		
	5		
	10		
	15		
	20		
	25		
	30		
	35		
	40		
	45		
	50		

3.3. Introduction

This section assumes timber decking and insulation has been previously installed. It covers the installation of edge trims.

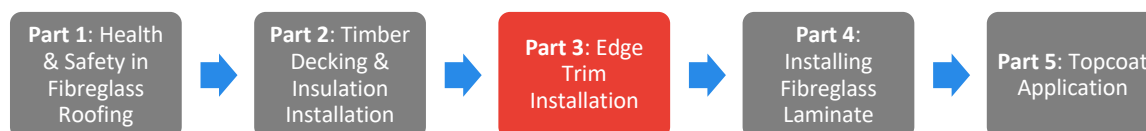


Table 2. Fibreglass Roof Construction Topics in Series

Part	Topic	Description	Video Link
1/5	Health & Safety in Fibreglass Roofing	Covers health and safety topics involved in fibreglass roofing	> Find out more <
2/5	Timber Decking & Insulation Installation	Process of installing timber decking and insulation	> Find out more <
3/5	Edge Trim Installation	Installation of GRP edge trims around the perimeter of the flat roof	> Find out more <
4/5	Installing Fibreglass Laminate	How to install fibreglass laminate onto timber decking	> Find out more <
5/5	Topcoat Application	Application of topcoat (flowcoat) to the fibreglass laminate	> Find out more <

Note: if you are laminating a large or awkwardly positioned area of flat roof, you should plan which areas to target first in advance. One of the best strategies is to focus on opposite ends of the roof first – and then move inwards. This gives you room to manoeuvre between both sides and avoids trapping you at one end or at the edge where you end up needing a ladder. Furthermore, you do not want to walk or place any weight on fresh laminate.

Note: use of material in applications not specified or not described in this manual, may result in improper function, personal injury, or damage of the product or material.

3.4. Planning & Preparation

3.4.1. Health, Safety & Technical Advice

Please familiarise yourself with the Material Safety Data Sheets (MSDS) before starting.

Personal protective equipment (PPE) should be always worn. Recommended PPE includes safety goggles, gloves and overalls. A suitable mask is advised if work is being performed indoors.

For product or technical support, please email (www.resinlibrary.com/contact-us/) or telephone us on **029 21900 282**.

Use of the products in applications not specified or not described in this manual, may result in improper function, personal injury, or damage of the product or material.

Disclaimer: this guide is for general informational purposes only. It does not constitute fibreglass roofing advice. Resin Library is not liable for any outcomes. The use of information linked to this content is at the user's own risk. The content in this guide is not intended to be a substitute for professional advice. Users should not disregard in obtaining professional advice.

3.5. Materials & Tools

The materials and tools recommended for installing edge trims are detailed below.

Table 3. Materials & Tools

Tools	Materials
- GRP Edge Trims: type used here are: A200 Drip Trim, B260 Raised Edge Trim and B260 Wall Trim (please note that these are recommendations; you may wish to choose your own edge trim types). - PU adhesive 20 – 30 mm clout nails 50 x 50 mm timber battens - Guttering (if required)	- Nailgun or equivalent - Guilbeau tin snips - Hammer

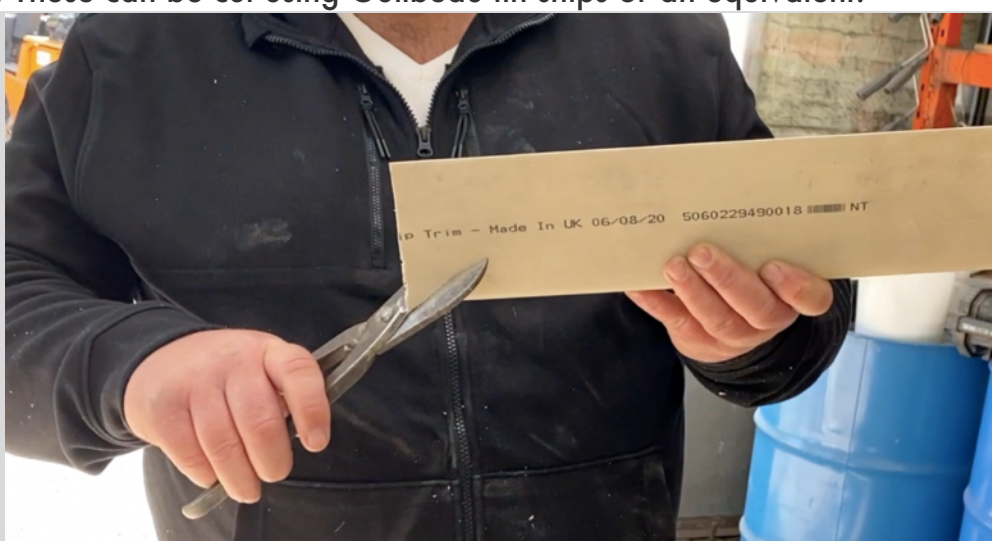
3.6. Method

The procedures recommended for installing GRP edge trims

3.6.1. Edge Trims Installation

In this example we use an A200 Drip Trim, a B260 Raised Edge Trim and a B260 Wall Trim for the wall-roof interface.

To install trims, first ensure the perimeter lengths have been correctly measured. Mark the required lengths and on the trims and pre-cut sections of the edge trims to size. These can be cut using Guilbeau tin snips or an equivalent.



Trim edge trims to size prior to installing

Note: if overlapping trims, ensure a 50 – 100 mm overlap. When trims are overlapped, the joint should be sealed using adhesive.

Battens (Gutter)

1. Prior to installing the drip trim, timber battens should be inserted to ensure that rainwater drains away from the roof and into the centre of an adjacent gutter.

Note: these trims should be fixed to the lowest edge of the roof, promoting rainwater to flow into a gutter.

2. When using the drip edge trims it may be necessary to include 2 timber battens (50 x 50 mm) to ensure the bottom edge of the trim is located as close to the centre of the gutter as possible.

Note: this design positions the trim away from the wall so that rainwater can be channelled into a gutter system.

3. Batten 1 should be fixed just below the level of the deck. Batten 2 should be fixed 10mm below the first, to allow the trim to sit in line with the roof.



Position timber battens as shown and according to the following. This should be cut to size to fit the length of this section.

Note: the gutter can be installed underneath the

Edge Trims

Installation detail for the edge trims unaffiliated to the guttering system is detailed accordingly.

1. Position the trims on the edges of the roofing structure and secure in place using 20 – 30 mm clout nails. Use one nail every 6 inches.



The clout nails have been installed every 6 inches using a hammer.

2. Edge trim corners should be cut at angles to ensure a cleaner overlap.



Edge trims have been overlapped at the corners using a diagonal overlap.

3. Edge trims over the 2 battens should be installed accordingly and the vertical edge should drain into the centre of a gutter.

Note: the edge trims used in this example are A200 drip trims.



Edge trims are inserted over the edges of the timber battens, which will allow rainwater to drain into the centre of a guttering system.

The roof should now have GRP edge trims around the perimeter of the roof.

The roof is now ready for fibreglass laminating.

3.7. Related Products

Resin Library also offers a range of fibreglass-related products.

Table 4. Fibreglass (GRP) Roof Repair Kits

Product	Size (m ²)	Note	Ordering
Fibreglass (GRP) Roof Repair Kits	0.5	Materials and tools included based on kit size.	> Find out more <
	1		
	2		
	3	Includes topcoat (flowcoat)	
	5		
	10		

Table 5. Fibreglass (GRP) Repair Kits (Without Topcoat)

Product	Size (m ²)	Note	Ordering
Fibreglass (GRP) Repair Kits	0.5	Materials and tools included based on kit size. Does not include topcoat (flowcoat).	> Find out more <
	1		
	2		
	3		
	5		
	10		

Table 6. Polyester Resin

Product	Size (L)	Note	Ordering
Polyester Resin	1	- Used for fibreglass laminating - Includes MEKP - Lloyd's Approved - WRAS compliant	> Find out more <
	2.5		
	5		
	10		
	20		

Table 7. Topcoat Resin

Product	Size (L)	Note	Ordering
Topcoat Resin	1	- Colour: Dark Grey - Includes MEKP	> Find out more <
	2.5		
	5		
	10		
	20		

Table 8. Glass Fibre (CSM)

Product	Type	Size (m ²)	Note	Ordering
Glass Fibre Matting (CSM)	450-gram	2 – 80	Multi-directional glass fibre reinforcement for fibreglass laminating. Designed for use with polyester resin.	> Find out more <
	600-gram	2 – 55		> Find out more <