

Installation Guide

GRP Chimney



To ensure optimum performance please follow the correct fitting procedures outlined in this installation guide.

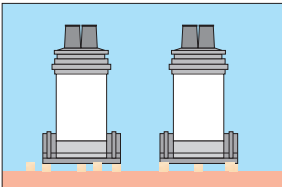
Site safety and good building practice should be adhered to at all times.



Scan the QR code to view our installation video

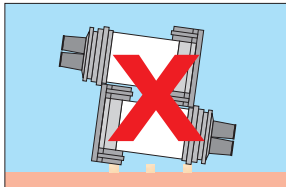


STORAGE & HANDLING



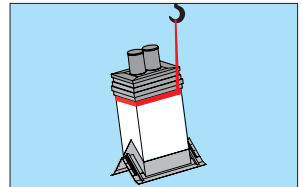
MUST BE STORED UPRIGHT

Use timber bearers to provide support for all GRP elements.



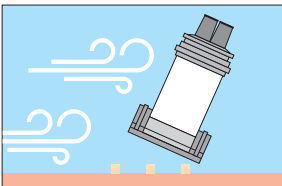
DO NOT STACK

GRP elements must not be stacked or have heavy weights placed on top.



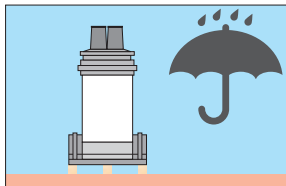
LIFTING INTO POSITION

GRP elements must be lifted by choke strap secured around lower corbel. Ensure weight of chimney is distributed evenly over plinth before releasing strap.



PROTECT FROM WIND

Lightweight items should be secured to prevent from wind damage on site.



PROTECT FROM SOAKING

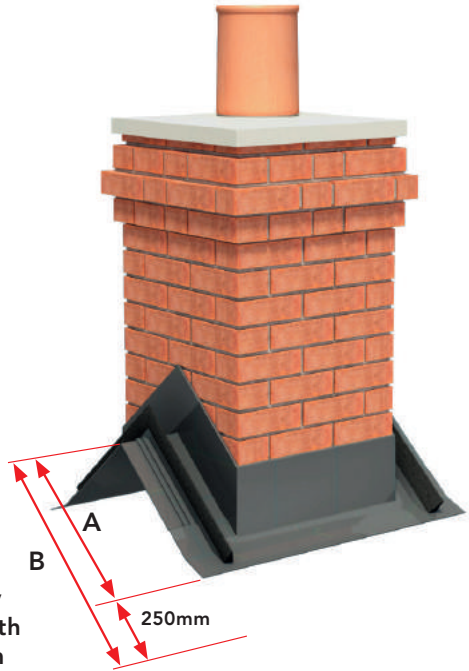
GRP should be stored in dry conditions. Avoid soaking or storing in very wet conditions.



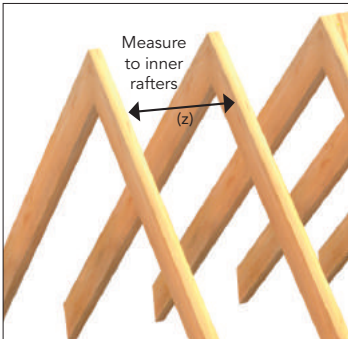
Please observe all Site Safety guidelines and observe safe working loads when lifting mechanically.

IMPORTANT: Before you start

IG pre-fabricated chimneys can be installed on a pitched or apex roof. IG GRP's preferred method of installation is illustrated in the following steps.

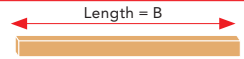


Measure the inner rafter distance to determine the width of the fixing support board.

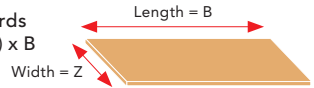


Materials Required

- 12 No Seat Battens (38mm x 25mm x B)



- 6 No Fixing Support Boards (no less than 12mm thick) x B



- Qty Stainless Steel Screws (38mm & 50mm)



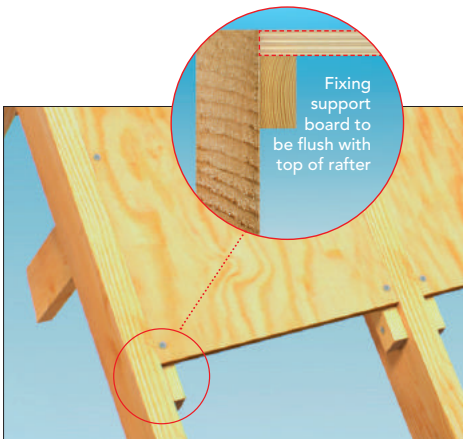
Measure the GRP chimney side fixing flange (A).
Cut 6No fixing support boards and 12No seat battens to size (B). (Size B = A + 250mm)

1 Roof Preparation



- 1.1** To fix support board, secure 2 No. battens to the inside face of both rafters so both battens are facing each other. Repeat for each rafter space.

Recommended fixings:
50mm long No10 Stainless Screws at 300mm ctrs



- 1.2** Ensure the position the battens is low enough to allow the fixing support boards to lay flush with top of the rafter when installed.



- 1.3** Secure the fixing support boards between the rafters with stainless screws at 300mm centres into each batten.

Recommended fixings:
38mm long No10 Stainless Screws at 300mm ctrs



- 1.4** Check to ensure the top of the fixing support boards and top of the rafters are level.

 **Site Safety**

Please observe all Site Safety guidelines and observe safe working loads when lifting mechanically.

2 Roof Membrane - Base layer



- 2.1** Install a base layer membrane over fixing support boards and secure as recommended.

3 Positioning the Chimney



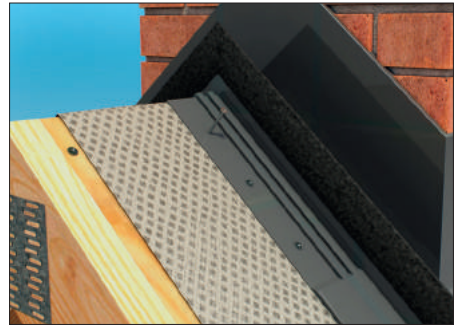
- 3.1** At this stage the roof is prepared for the installation of the GRP chimney. A lifting choke strap should be secured around lower corbel detail as shown.
- 3.2** Before lifting, ensure the lifting equipment will be operating within safe working loads. Lower chimney over pre-installed fixing board. Ensure weight of chimney is distributed evenly over plinth before releasing strap.

4 Align the Chimney



- 4.1** Position the chimney ensuring it is aligned with the fixing support boards.

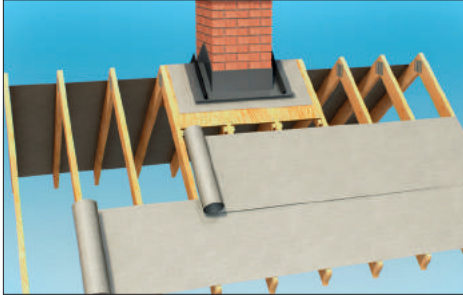
5 Secure the Chimney



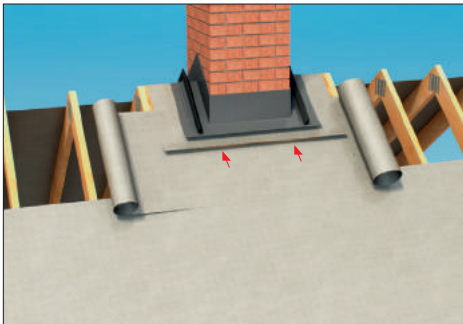
- 5.1** In order to secure the chimney to the support board drill 6mm holes spaced at 150mm centres along edge of GRP plinth as shown. Fix chimney to the support boards through pre-drilled holes using the recommended fixings.

Recommended fixings:
38mm long No10 Stainless Screws

6 Main Roof Membrane

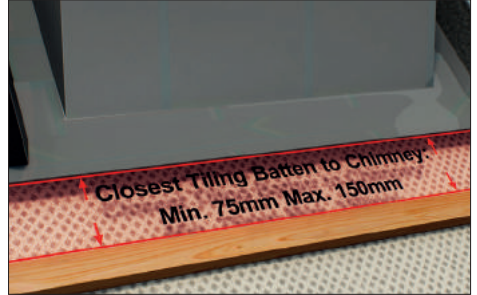


- 6.1** Fit main roofing membrane around the dormer ensuring that it is **LAPPED UNDER** the base membrane.

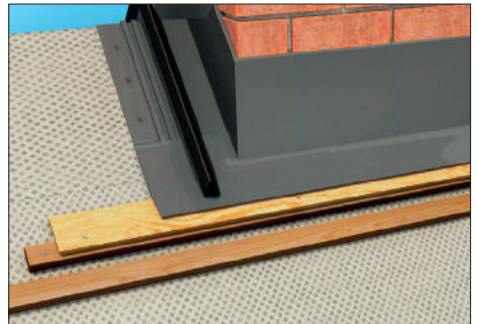


- 6.2** Ensure main roof membrane is **LAPPED UNDER** the base membrane.

7 Primary Batten Installation



- 7.1** Before battens are secured 1 No tiling batten must be fixed at front of chimney. This should be installed with a min 75mm to max 150mm below the GRP front edge flange.



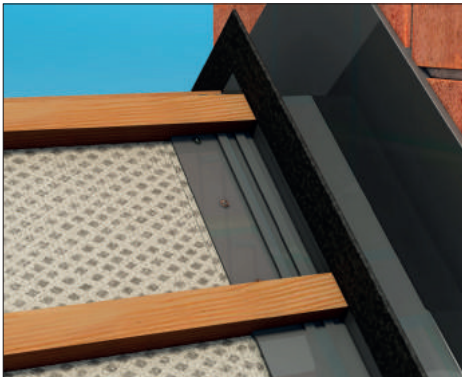
- 7.2** A batten and flashing support timber are now fixed in place under the bottom flange of the chimney. This provides support for lead flashing apron. It is important to ensure that this supports the lead sufficiently to prevent ponding.

Recommended fixings:
38mm long No10 Stainless Screws

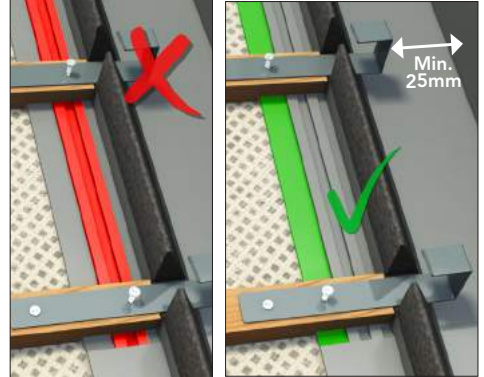
8 Tiling Batten Installation



- 8.1** Where tiling battens meet GRP fixing flange, batten ends must be notched to ensure the batten sits flat and does not kick up.

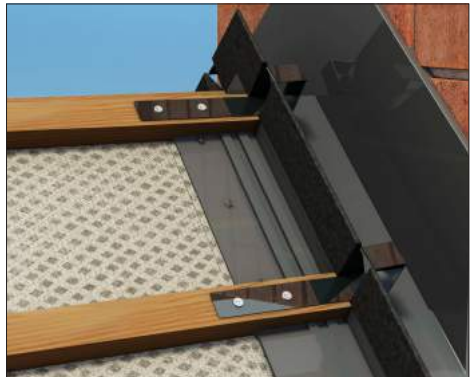


8.2



- 8.3** Ensure batten fixings do not penetrate the secret gutter of the GRP fixing flange. When installing tiles including verge fixing clips, particular care must be taken to ensure a min 25mm gap remains between the tiles and GRP side cheek.

Recommended fixings:
50mm long No10 Stainless Screws



8.4

9 Final Tiling & Flashing



- 9.1** Ensure flashing is rolled back to clear working area. Secure extra batten to act as support for ply section. Note batten must extend further than flashing.



- 9.3** Complete the tiling process as normal.



- 9.2** Fix ply section to tiling batten to create path for flashing to follow. When in situ, Dress the lead down over the tiles ensuring no ponding can occur.



- 9.4**



IG Elements

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