



PREMIER BUILDING
PRODUCTS Ltd

PBP METHOD STATEMENT FOR THE INSTALLATION OF BRICK CHIMNEYS A1

GUIDE

2021

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Method Statement for the installation of Brick chimneys. (MS8.1)



Our method statement is to be read in-conjunction with your approved chimney drawing along with the standard fixing drawings for mid ridge, gable end or mono pitch stacks provided.

Your fixing method will vary depending on the finish of your stack, we have three different finishes which are brick, stone & render. Consideration must also be taken to the design of your cap; this can be the traditional way for site to haunch the roof or you may have a lightweight stone effect cap which may require slight modifications to our standard method statement. Advice should be sought prior to installation.

Preparation should be made before installing the chimney, please make sure the roof trusses are suitably reinforced if and where necessary to receive and support the chimney weight.

Your chimney will arrive on site shrink wrapped onto a non-returnable pallet with bands securing it down. These should be carefully cut and removed along with the shrink wrap bag.

N.B. Before considering putting the chimney into position ensure you have 3-4 layers of felt around the chimney skirt. This needs to be wrapped over the main single felt on the roof to ensure no moisture enters the roof space.

Lifting

Lifting points are included in our chimneys. We use a number of methods depending on the finished design approved.

1. A pair of M12 steel lifting bars are passed through the pre-drilled 14mm diameter holes positioned 2 or 3 courses down from the top of the brick work. On each end of the bar secured by nuts and washers will be a lifting lug for site to attach a lifting shackle to install. The lifting bars can be removed after installation and the holes filled with an external quality sealant and over pointed. The bars can then be re-used on the next stack by repeating the process above.

2. A pair of steel lifting lugs with a 30mm diameter will be pre drilled and bolted to the side of the stack using 100mm in length m12 bolts which will positioned 2 or 3

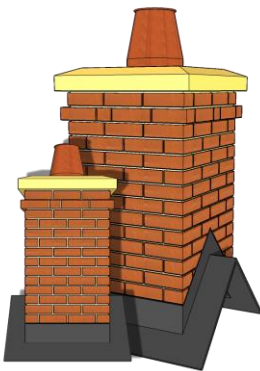


courses down from the top of the brick work. These lifting lugs are designed to be attached using lifting shackles. Once lifted and fixed into position the lifting lugs can then be removed and the bolt pushed through into the stack, the holes should then be filled with an external quality sealant and over pointed.

3. On larger steel frame chimneys a pair of M12 threaded sockets will be welded onto the sub frame and threaded M12 loops will need to be screwed into each of the sockets prior to lifting which after installation can be removed and the lifting hole sealed.

N.B. Please check at the time of ordering which design is applicable to your style of chimney. The size, weight, shape of stack and the number of pots will affect the final choice of lifting method and we recommend the use of a suitable spreader bar to ensure the lifting chains do not damage the pots during the installation process. Occasionally, it may be easier or safer to bond the pots on AFTER installation. Please ask for further advice.

Fixings.



We offer standard and bespoke designs of chimneys and the fixing method and design will vary considerably depending on which design of stack selected and approved.

Standard Design.

We provide a fixing kit with every chimney which includes coach screws and washers which **MUST** be used at a minimum of 200mm centres and **MUST** be located through the GRP skirt into a suitably designed and built platform with consideration for weight and loadings of the chimney.

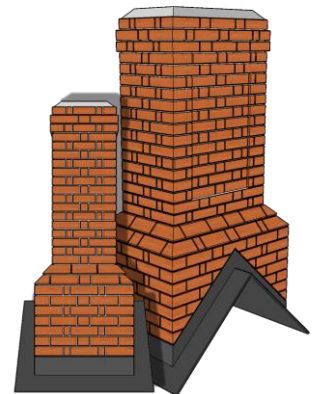
ALL fixings must be checked by our customer with their relevant technical department, structural engineer and roof truss design and manufacturer to ensure their stability for this application.

Bespoke Design.

Non-standard chimney designs and those made using steel or timber sub frames may require additional strengthening to the roof structure to accept the higher loadings that come with bigger chimneys and steel.

Our fixing details will need to be modified and designed to suit your project.

N.B. Consideration should be given to the thickness of the tile batons which may need to be reduced to take into account the thickness of the GRP skirt. Please ask for further advice on this prior to approving the design drawings we issue to you.



Installation.

Before attempting to install, consideration should be given to the weight of the stack and loadings checked with the truss manufacturer.

The position of the fixings relative to the trusses should be checked and where appropriate noggins positioned. The stack should be lifted using the specified method and lowered gently into position over an area twice the size of the bases of the stack prepared with extra 3-4 layers of felt lapped correctly over the main surrounding roof felt.

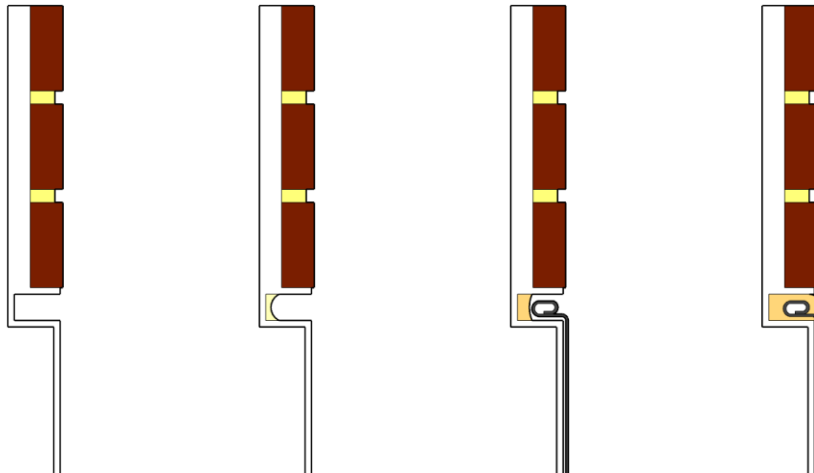
After the chimney has been secured to the roof using the fixings supplied, the lifting points located through the waterproof GRP clad sub frame must be filled. Using the mastic supplied in the fixing kit, please completely fill all the holes to avoid any later issue of ingress of water. Once the holes are fully sealed, mortar can be applied over the mastic to match the rest of the pointing to the stack.

Flashing

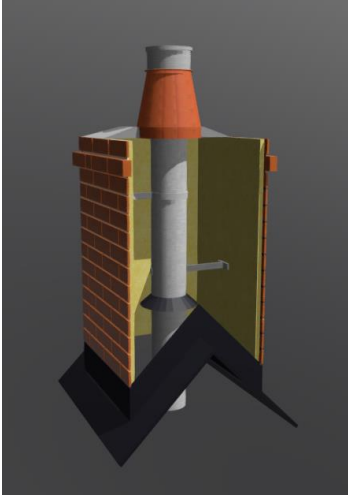
The lower section of the stack will include a lead flashing channel above which the brick slips and corners will be bonded to the GRP matrix. Below the flashing channel will be packed out to the same thickness as the brickwork above.

Fab-Lite chimneys incorporate a specifically designed flashing channel to enable a seal to the leadwork to the base of the stack. The flashing channel position shown on the design drawings should be pumped with the supplied lead mastic to provide a continuous bead inside the channel.

Then the lead should be dressed in the channel in accordance with Lead Sheet Association recommendations and secured back to the channel using Borra clips before a second final fill of more mastic to provide a fully encapsulated seal to the lead into the fully filled channel.



Flue Systems.



Our chimney stacks can be adapted for either pre-installation of flue lengths or for on site installation of a flue system. If you intend on using a flue within the stack, please confirm at the time of order so we supply an open chimney pot rather than a fully sealed closed pot on our “dummy” stacks.

Note: Where flues penetrate the roof below the stack is a potential weak point for ingress of water and therefore careful consideration should be given to the detail required to avoid this. The use of a universal collar around the flue pipe at the point of penetration along with a weathering proofing to the flue terminal head to the pot should be considered to ensure no moisture from outside or condensation build up on the pipe will enter the roof space.

N.B. Careful consideration should also be given to the position of the stack and the flue to ensure the minimum angle of diversion of the pipes is maintained and that sufficient space is available to allow conjunction beneath the roof of the flue system.

Television/Sky

Under no circumstances should aerials, satellite dishes or any other items be secured to the outside of the stack by means of fixings through the waterproof GRP lined sub frame. Only the use of a suitable strap system would be recommended.

For further information or assistance, please do not hesitate to call our office on the numbers provided.

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