

Method Statement for fixing a Pre-Fabricated Brick Slip Chimney (GRP)

The Pre-fabricated Chimney is manufactured to customer specified dimensions with various corbel, coping and Pot options using a GRP core. This core will then be 'tiled' using 25mm Brick Slips and Brick Pistols.

The GRP terracotta pot if specified will come pre-bonded and sealed therefore creating a watertight structure.

- The Chimney will be delivered on a pallet and protected by shrink wrapping. Care should be taken on site to ensure that the chimneys are stored safely and that they are moved using a fork lift or similar operated by a qualified person.
- The Chimney will require mortar pointing; it is recommended that this is done at ground level and a waterproofing additive should be used in the mortar mix.
- If a flat top (no stone effect coping) is specified then this will require 'flaunching' in the traditional manner. This will have to be done insitu as to not cover the lifting eyes that are inserted into the top plate.
- Prior to ordering it is the customers' responsibility to ensure that trusses are adequate enough to take the weight of the chimney. We can provide weight calculations for all sizes, which can then be passed to your Roof Truss Manufacturer.
- The Chimney should be lifted into position by attaching suitable lifting slings or chains to the lifting eyes provided. The lifting eyes should be checked on site to ensure that the full thread is fully inserted within the captive nut and the eye bolt and then hand tightened. The lifting eyes are certified to handle the weight, it is the contractors' responsibility to ensure the chains or slings are adequate enough to take the weight. The chimney should then be lifted into place using a mobile crane. All lifting equipment should have current SWL certificates and all personnel should be trained and competent.
- Before the chimney is fixed into place it is essential that two layers of felt or a breathable membrane are fixed into place directly underneath the 'saddle'. The felt should protrude at least 600mm on all sides of the 'saddle'.
NB. The roof does not have to be felted at this point, just the underneath of the chimney as described above.
- Two lines of silicone sealant should be applied to the roof trusses that coordinate with the fixing holes. 'Noggins' should also be screwed between the trusses in line with the front and back saddle for extra fixing points. The chimney should then be screwed to the trusses & noggins using the Stainless Steel Coach screws & washers provided at 150mm intervals, thereby compressing the silicone and creating a watertight seal.
- The roof can then be felted, battened and tiled in the usual manner.
- The chimney should be lead flashed in the traditional manner & in accordance with LDA recommendations. The supplied lead mastic sealant should be used to fill the joints prior to installing lead work. The lead should then be installed and held in position with lead fixing clips (not supplied) at least every 450mm. Finally, a bead of lead mastic should be reapplied to ensure that each joint is full.
- NB – Finally please remove lifting eyes and SEAL the Lifting eye fixing position with mastic sealant.