

Precast Chimney Installation

The foundation pad should be a minimum of 150mm thick, and reinforced with a minimum 12mm rod, at 150mm centers both ways.

The foundation pad should be a 150mm greater all round. i.e. The logburner is 1600 o/a wide by 590 o/a deep.

- The pad is 1900 o/a wide by 990 o/a deep.
- The Heat master is 1090 o/a wide by 570 o/a deep.
- The pad is 1390 o/a wide by 870 o/a deep.

A base is built up from the foundation slab to the floor level either in reinforced concrete, or reinforced concrete block masonry.

A hearth slab is poured on top of base and extends into the room a minimum of 450mm from inside the face of wall stud.

Normally this is cantilevered from built up base and is of a minimum thickness of 75mm, reinforced with 10mm rods at 150 centres both ways.

For a concrete slab location the slab is thickened in the area of the chimney and reinforcing increased accordingly to engineers requirements. Starters are set in place in the hearth slab, to line up with the reinforcing cores of the chimney base units, or alternatively drilled into slab and epoxied. Chimney base sections are set in place with a full bed of mortar.

The same applies to the sill block rectangle, sill block gathering and extension gatherings.

D/12 reinforcing rods are grouted in the 50mm ducts included, using a high strength grout. We recommend 'SIKA 215' as available from Sika (N.Z.) Ltd.

Once the base sections, rectangle, gathering and extension gatherings are in place fully mortared and reinforced, commence the flue stack by placing the flue blocks one on top of each other, making sure a full bed of mortar is used and there are no voids in the joints. As three or four flue blocks are laid, parge or bag the inside with thicker grout to fill any voids and give a smoother finish to inside of the flue stack.

Take care to make sure flue stack is building level and plumb. At 6 metre height insert 12mm rods on ducts provided and pour in grout. As before joggle steel, to make sure grout flows solidly to bottom.

Use galvanized strapping to tie the chimney to the building framework making sure to use double strapping at roof line/eave.

We recommend all chimneys be plastered on the outside.

If the chimney is an inside installation then bagging is suffice. All exterior chimneys should be solid plastered.

