

Liner Installation Guide For Open Fire

1) Construction begins by bedding the first block of the firechest onto a suitable foundation/ constructional hearth in accordance with Building Regulations using Isokern lip glue.

2) Install the firechest using lip glue making sure all elements are level. 100mm of brick/blockwork must be built around the sides and back of the firechest to comply with Building Regulations. The inside of the firechest must be finished with a suitable fireback or firebrick slips.

3) Install the gather using lip glue making sure all elements are level. The front face of the gather can be finished with plasterboard or clad in masonry. The maximum loading capacity of the ISOKERN firechest and gather is 2500kg.

4) The flue liners are installed socket uppermost and sealed with Isokern lip glue. Clad the liners with a minimum of 100mm thick suitable masonry. A minimum thickness of 15mm leca insulation must be installed between the liners and masonry. Mix 20 parts leca to 1 part opc cement and a small amount of water.

If bends are required in the chimney make sure adequate support is provided. A steel collar as well as lip glue must be used for any cut joints. A maximum of 2 complete offsets (4 bends) are allowed per chimney and the angle must not be greater than 45° from the vertical.

5) You must provide adequate clearance from combustible material in accordance with Building Regulations. Combustible materials must be 200mm from the inner surface of flue liner or 40mm from the outside of the masonry chimney unless it is a floorboard, skirting board, dado or picture rail, mantel-shelf or architrave.

6) Fit appropriate dpc's and flashings in accordance with the relevant regulations. Isokern recommend that the dpc's should be dressed up the outside of the flue liners.

7) Terminate the chimney to the correct height in accordance with document J of the Building Regulations. The chimney can be finished by flaunching (1:3 cement/sharp sand) either around the Isokern flue liner or a suitable chimney pot.

