

### Flue Liner systems

Dunbrik make A1 Concrete Flue Liners for the construction of domestic chimneys suitable for all types of domestic fires. We offer a range of sizes to suit most domestic flue requirements.

The 200mm and 225mm systems are suitable for use with firebacks.

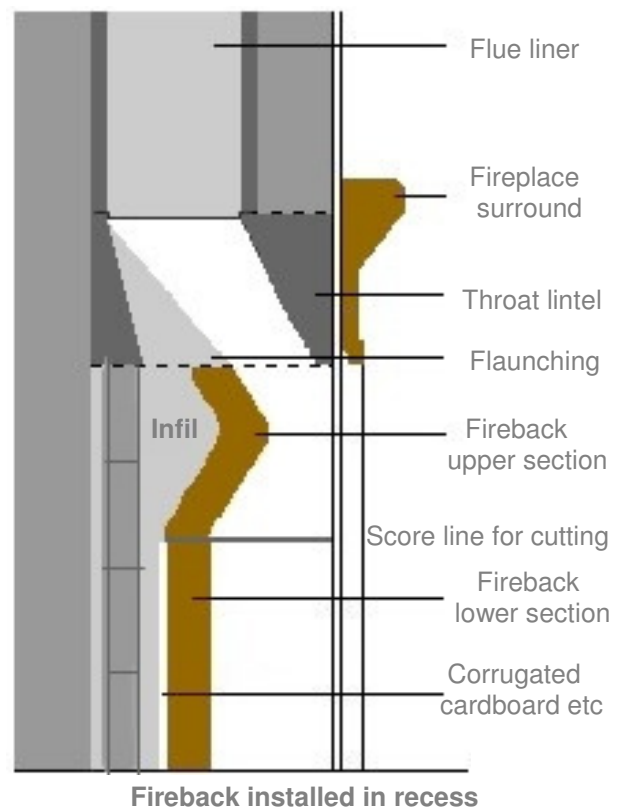
Dunbrik sells Milner firebacks in widths of 400mm (16") and 450mm (18"), as measured internally across the front.

### Fireback Installation

A clay fireback can be installed within the fireplace recess. The installation process needs to be followed to keep heat from other components and to create expansion joints to avoid cracking of the fireback.

#### Installation steps for Milner clay firebacks

- Build 100mm blockwork to leave a 50mm gap behind the fireback to reduce the space to be infilled later with Dunfil
- Cut or break the fireback across the heavy horizontal score line
- Insert the bottom piece into the fireplace recess with the front level with the front of the recess jambs
- Line the rear and sides of the fireback with combustible isolator such as corrugated cardboard or thin strawboard (This is intended to char, leaving an expansion gap to avoid cracking in use)
- Infill the gap behind the isolator with Dunfil
- Join the top section (preferably set back some 1.5mm to 2mm) to the bottom section using Dunseal fireproof mortar
- Infill behind the top section (without an isolator) and flaunch up inside the throat lintel with Dunfil to provide a smooth lead into the flue with a throat opening depth of 100mm to 120mm
- Use a non-combustible sealing rope or other heat resisting material to seal the front edge of the fireback to the fire surround.
- All installations must be allowed to dry out slowly
- Only small fires should be burnt for the first 4 or 5 days of use, no matter how long this may be after installation
- Petroleum coke must not be used with these firebacks



For guidance on the installation of other types of fireback, please refer to the manufacturer's instructions.

For detailed guidance on Dunbrik Flue Systems and installation, please refer to the guides available on the website or from the Dunbrik technical or sales staff.