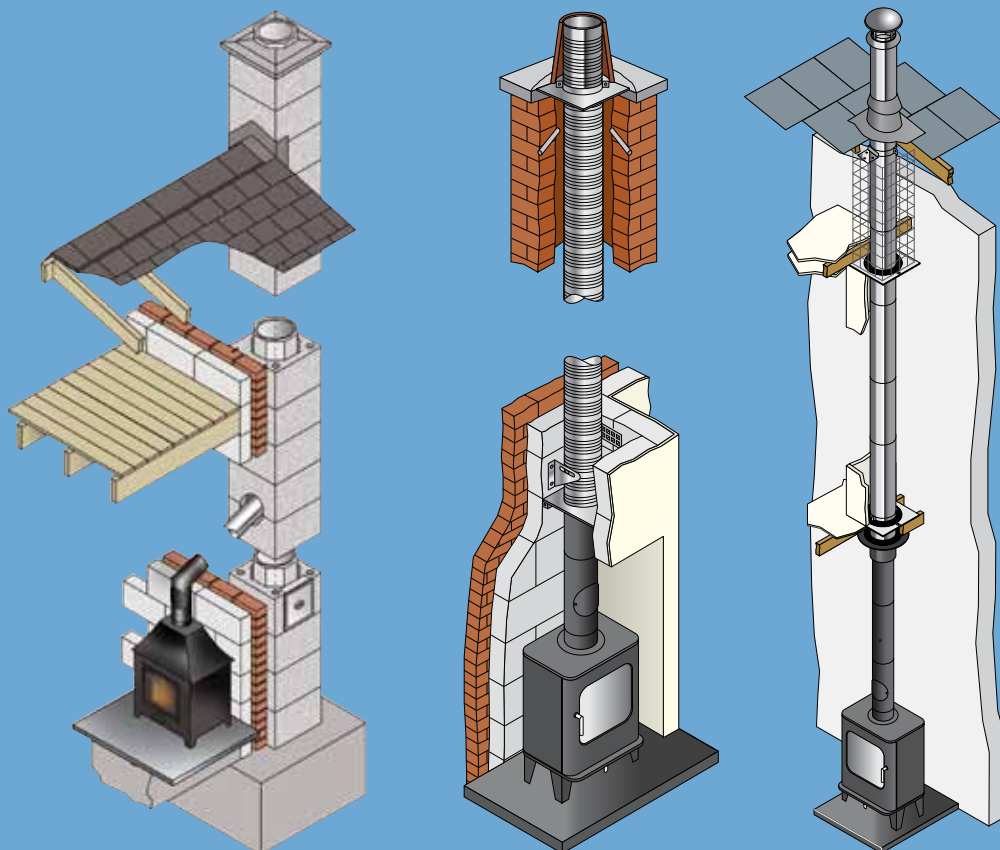




BFCMA

BRITISH FLUE & CHIMNEY
MANUFACTURERS
ASSOCIATION

Ecodesign 2022 Ready



Installation Guidelines

for Wood Burning &
Multi Fuel Appliances

Published by the
British Flue and Chimney Manufacturers Association.
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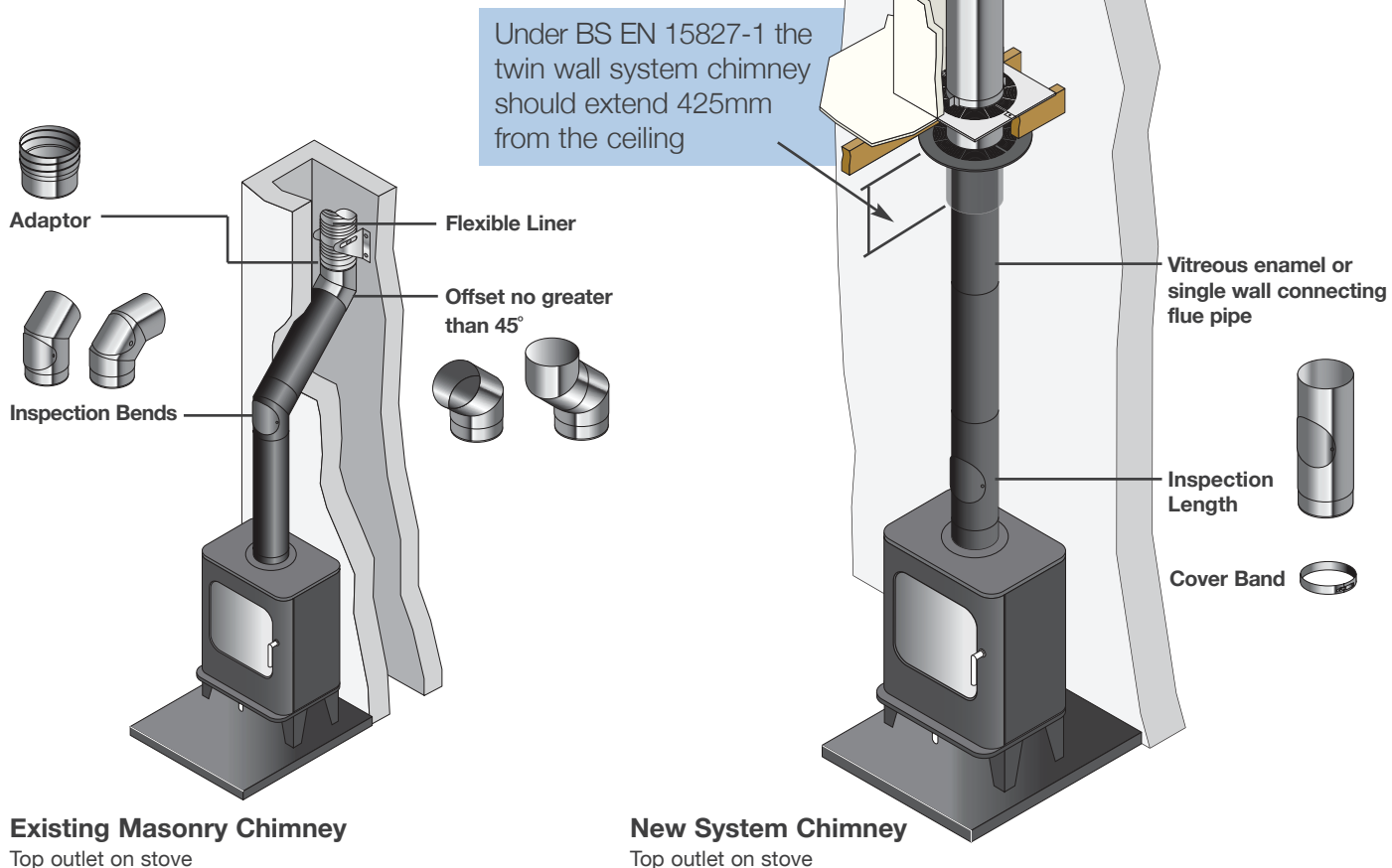
www.bfcma.co.uk

Version Date January 2021

Wood Burning & Multi Fuel Stoves

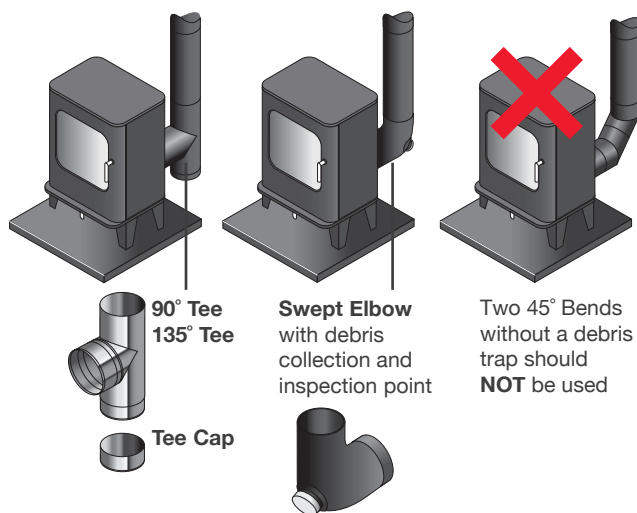
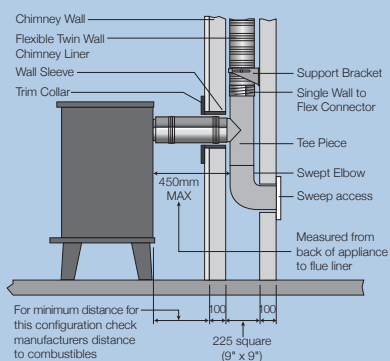
Connecting Flue Pipe

The stove should be connected to the flue using vitreous enamel or 1mm thick single wall stainless steel pipe.



Under BS EN 15827-1 there should be a straight length of 600mm before a change in direction. The flue can be horizontal for a maximum of 450mm. The flue can be single wall or double wall.

This diagram shows one of the alternative installation methods. The 5 options are shown on the page headed - Alternative Methods of Installation.



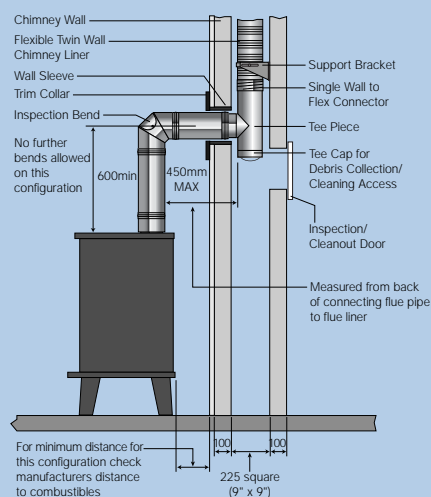
Connection methods for rear outlet stoves

Wood Burning & Multi Fuel Stoves

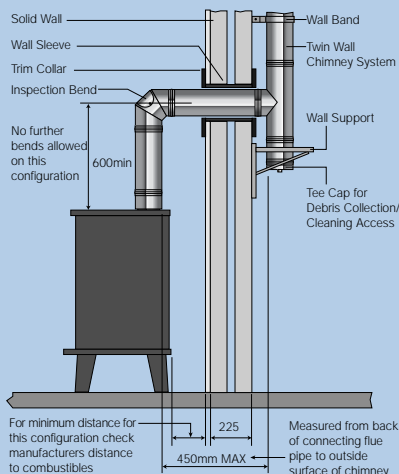
Alternative methods of installation of under BS EN 15287-1

Under the new BS EN 15287 the horizontal distance for the connecting flue can be up to a maximum of 450mm provided:

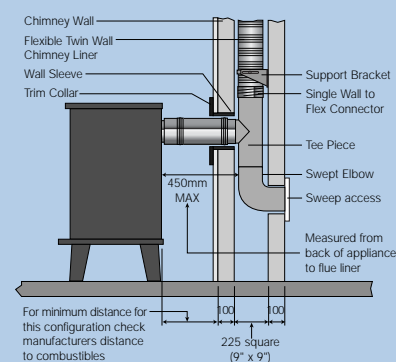
- A Defra exempt appliance or an appliance, which is limited to burning authorised smokeless fuel only, is installed.
- A calculation according to BS EN 13384-1 has indicated safe operation of the proposed configuration, and the results of the calculation are left with the householder along with the appliance installation instructions.
- The chimney manufacturer appliance manufacturers agree in writing to the proposed configuration;
- The total length of single wall connecting flue pipe is not more than 1.5m;
- The appropriate distances to combustible materials from both the appliance and the connecting flue pipe are maintained.



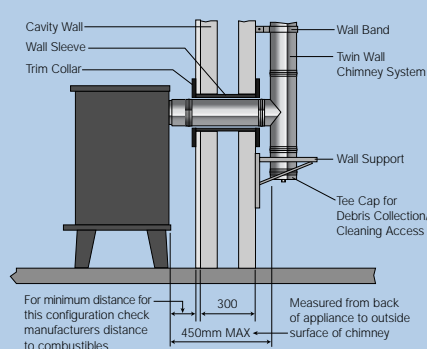
Top outlet twin wall connecting flue pipe into re-lined masonry chimney



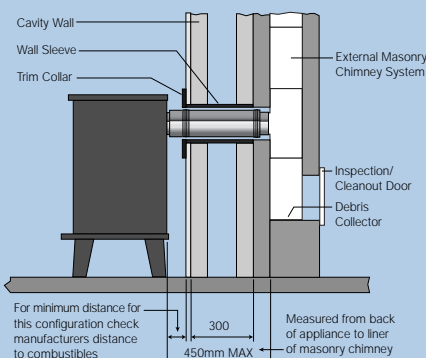
Top outlet twin wall connecting flue pipe through solid wall into twin wall system chimney



Rear outlet twin wall connecting flue pipe into re-lined masonry chimney



Rear outlet twin wall connecting flue pipe through cavity wall into twin wall system chimney



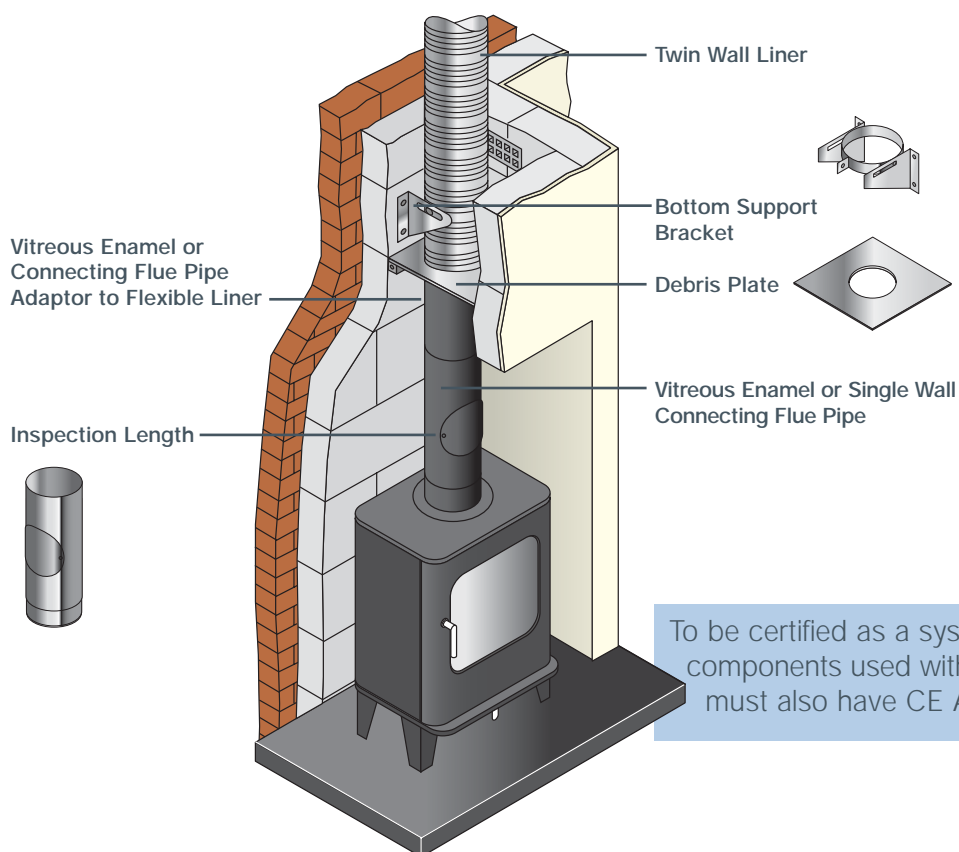
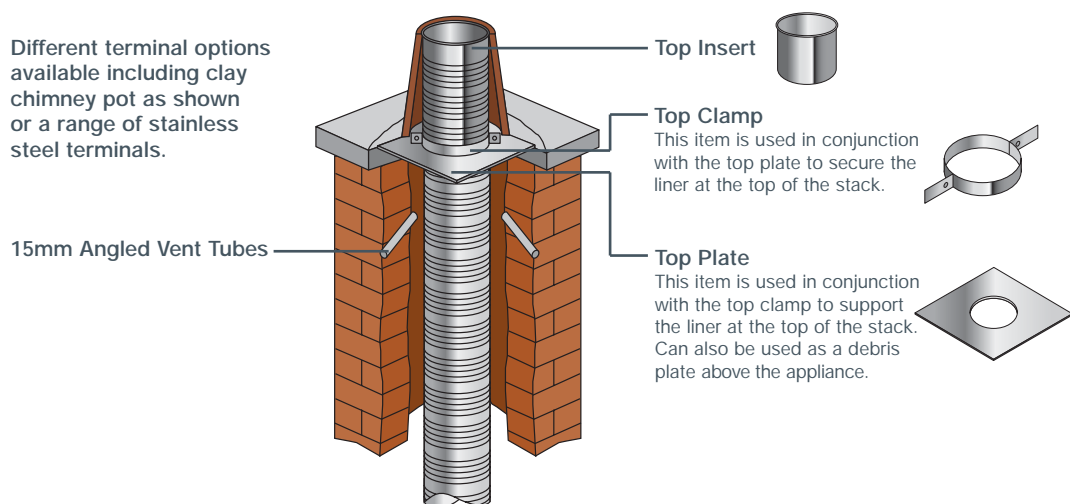
Rear outlet twin wall connecting flue pipe into external masonry chimney through a cavity wall

Installations show are by way of illustration only. Manufacturer's installation instructions should always be consulted before installation.

Wood Burning & Multi Fuel Stoves

Existing Chimneys

Relining an existing chimney
with twin wall flexible liner

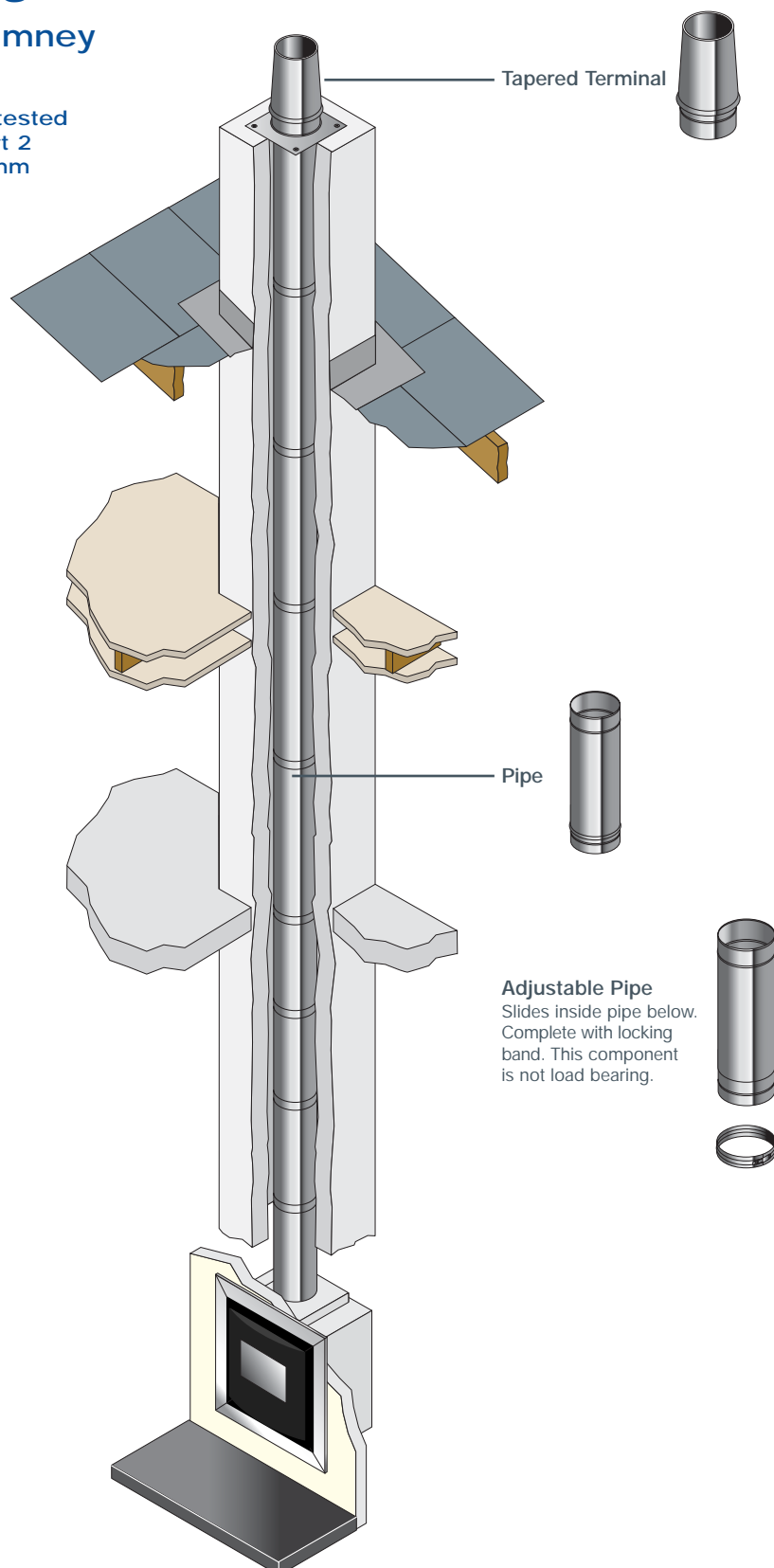


Wood Burning & Multi Fuel Stoves

Existing Chimneys

Relining an existing chimney with single wall liner.

If the 0.6mm thick liner has been tested in accordance with BSEN1856 part 2 then it may be used. If not then 1mm single wall liner must be used.

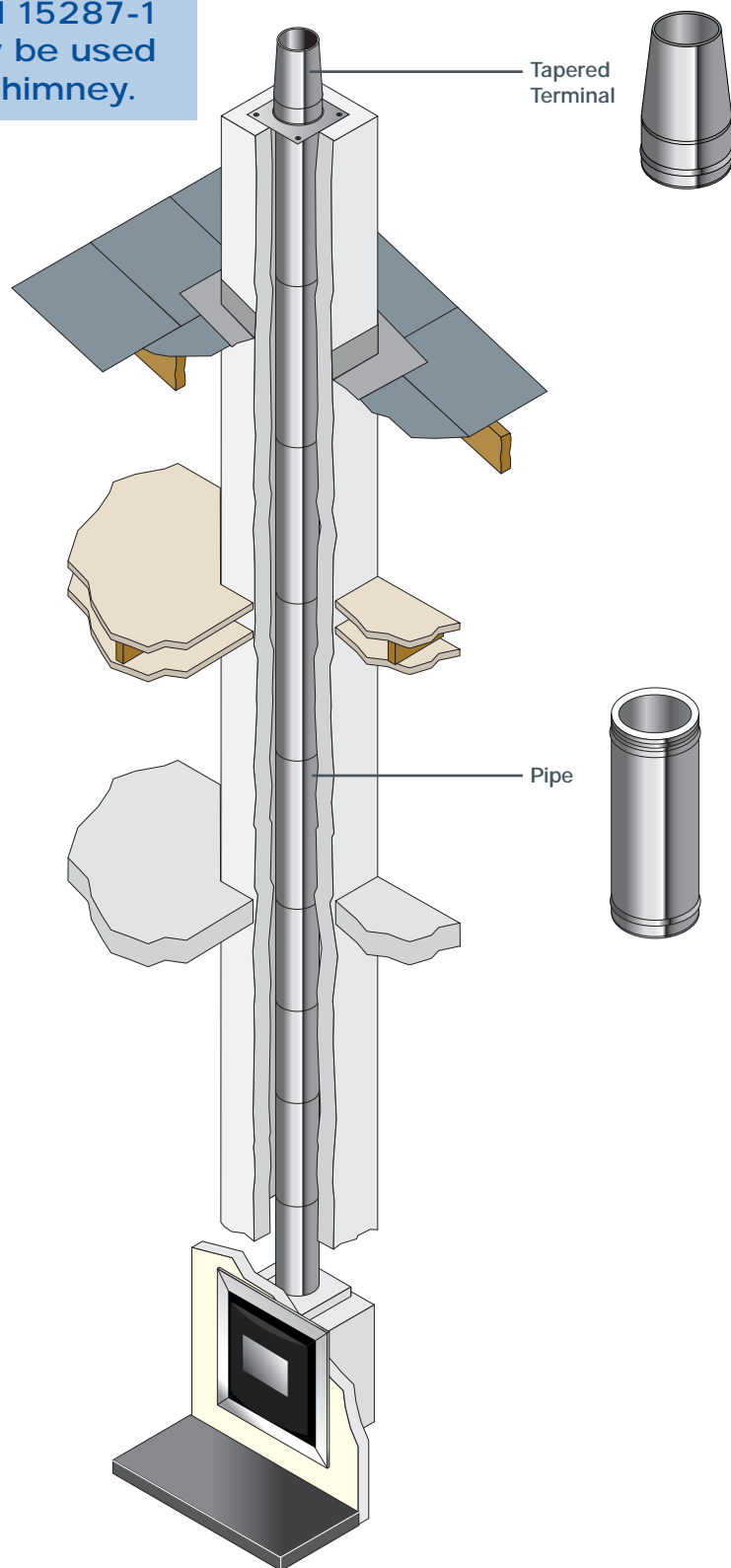


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Wood Burning & Multi Fuel Stoves

Existing Chimneys

Under the new BS EN 15287-1 twin wall flue can now be used to reline an existing chimney.

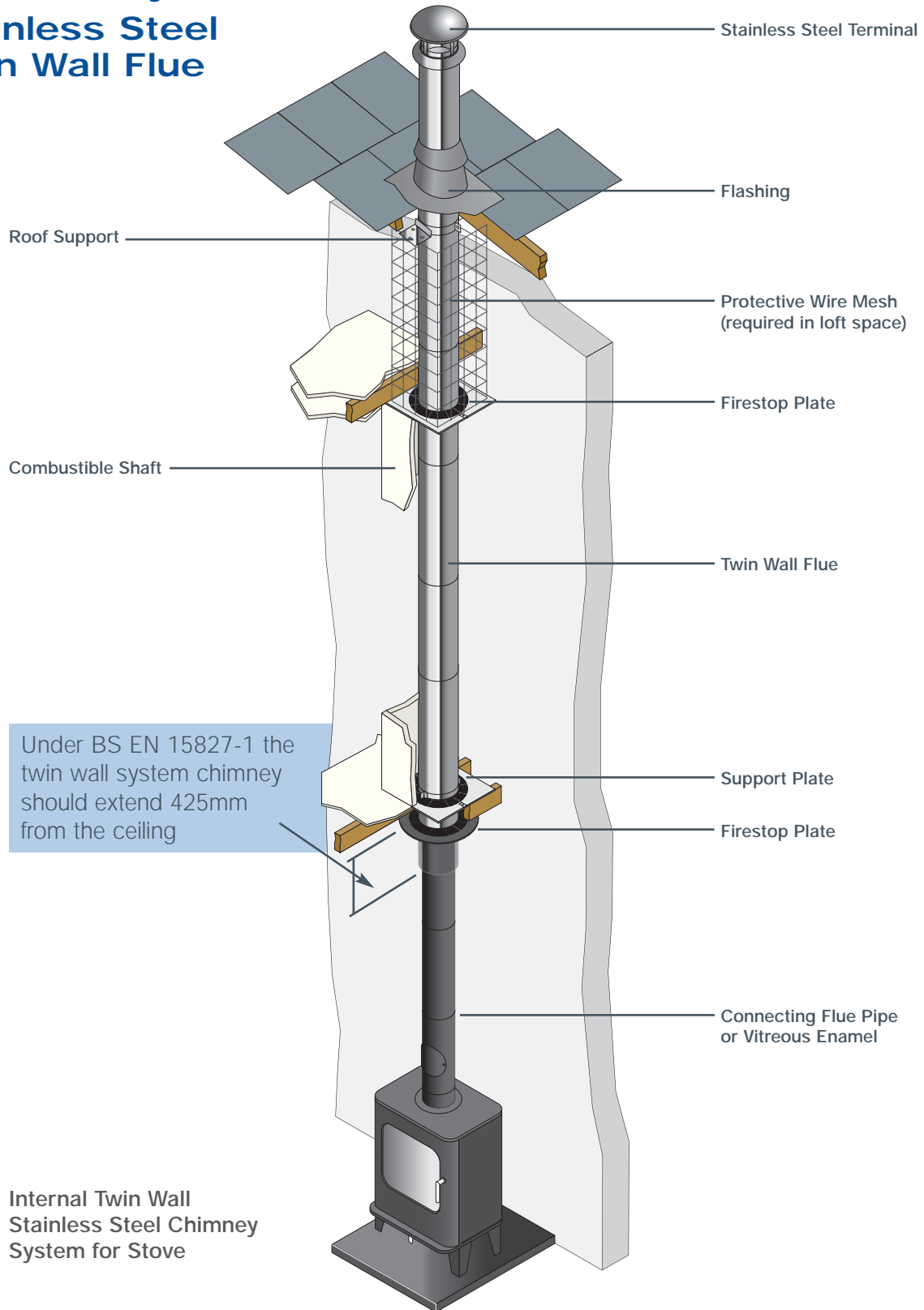


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Wood Burning & Multi Fuel Stoves

New Chimneys

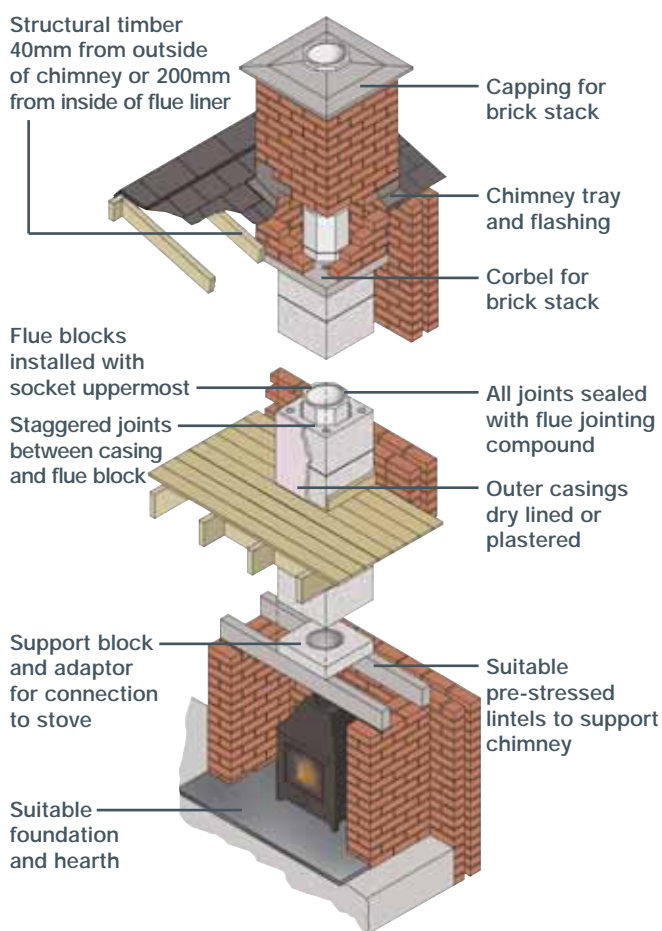
- Stainless Steel Twin Wall Flue



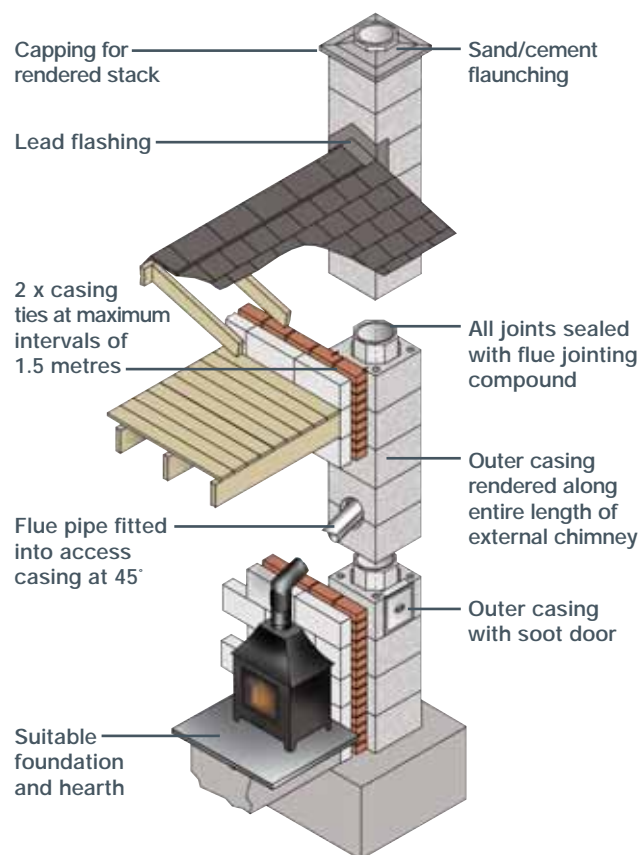
Installations shown are by way of illustration only. Manufacturer's installation instructions should always be consulted before installation.

Wood Burning & Multi Fuel Stoves

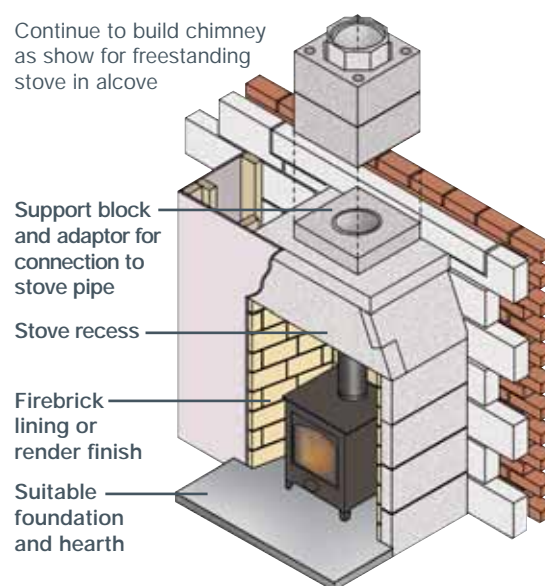
Clay Concrete & Pumice - Chimney Systems



Free Standing Stove in an Alcove



Free standing stove with external chimney with preformed stove entry kit

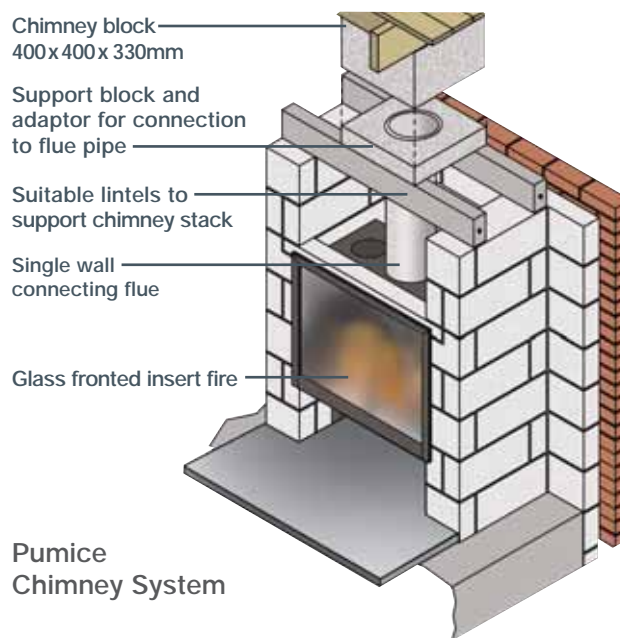
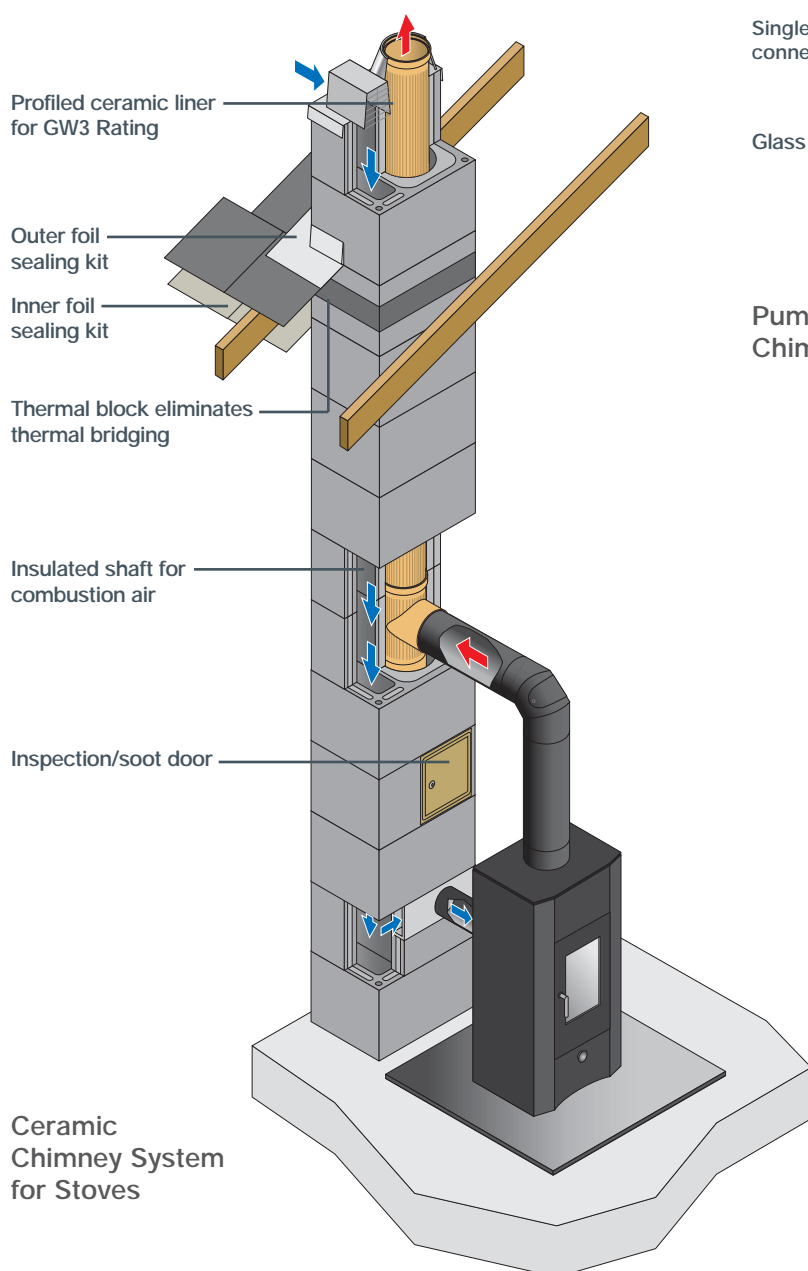


Stove Recess

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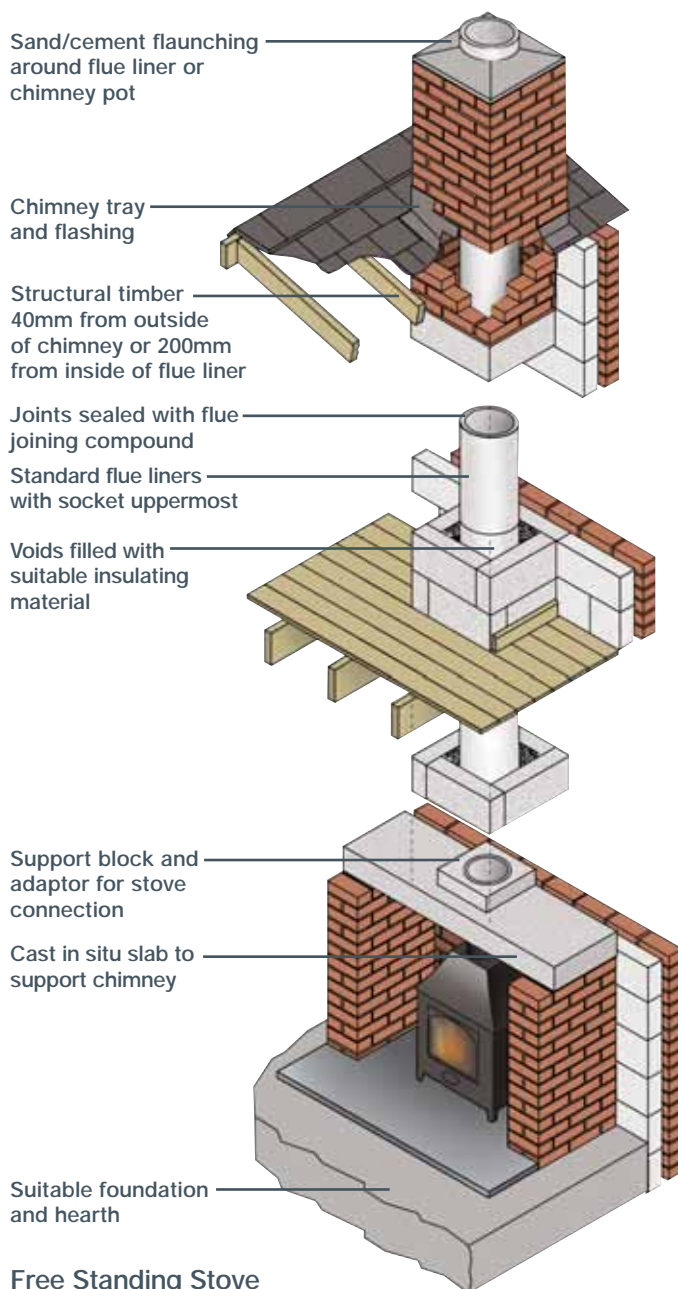
Wood Burning & Multi Fuel Stoves

Clay Concrete & Pumice - Chimney Systems

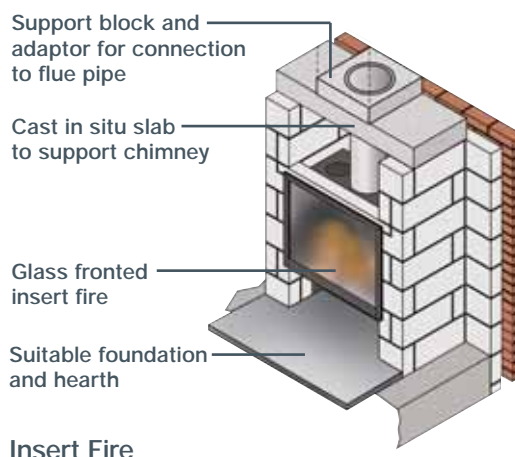


Wood Burning & Multi Fuel Stoves

Clay Concrete & Pumice - Liners

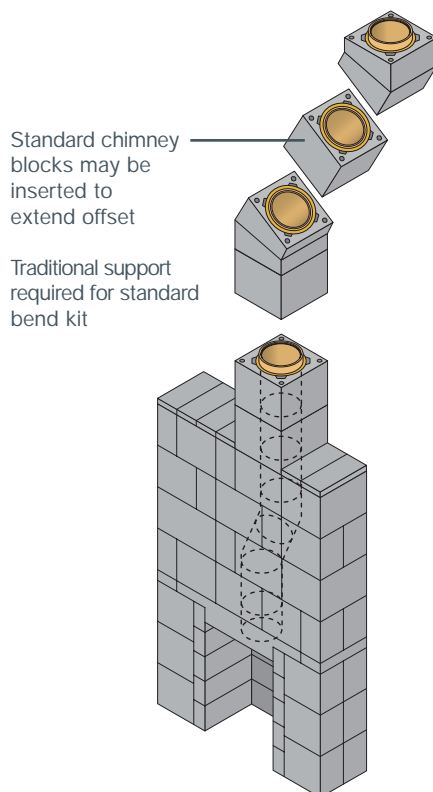
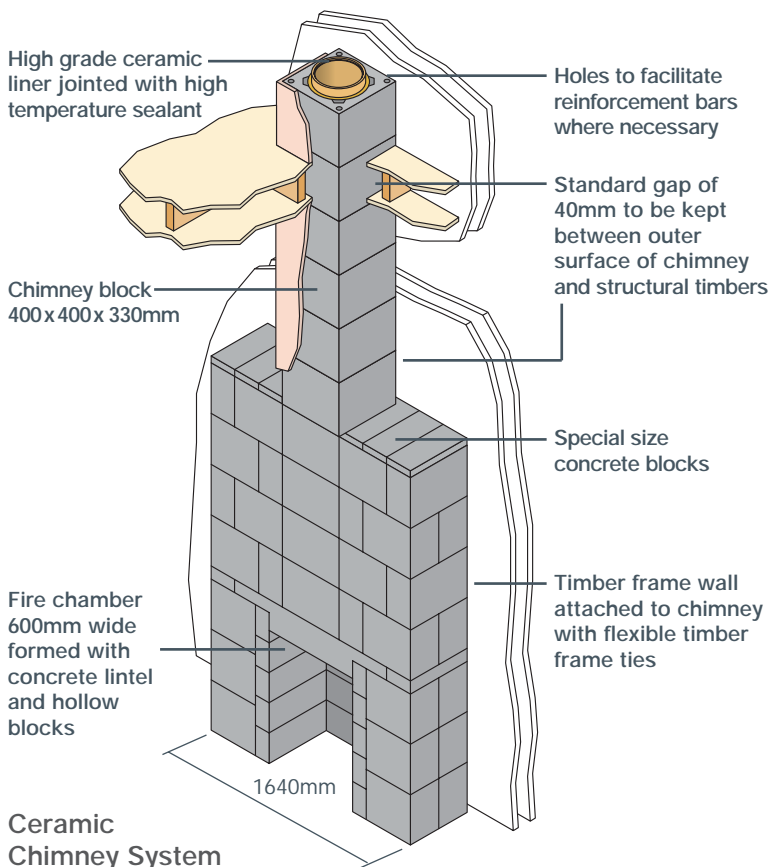
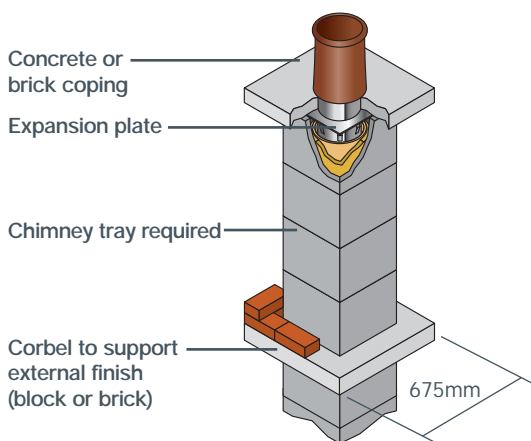


Continue to build chimney
as in free standing stove



Open Fires

Clay Concrete & Pumice - Chimney Systems

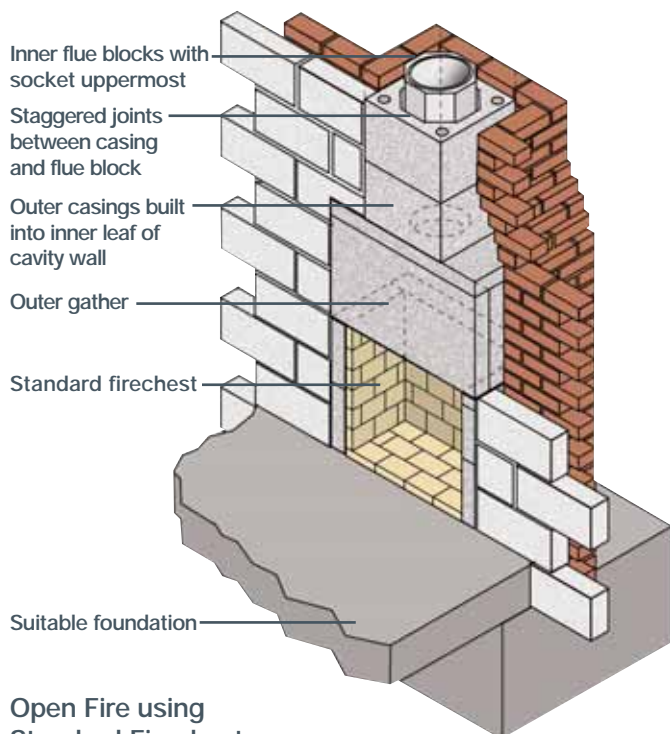
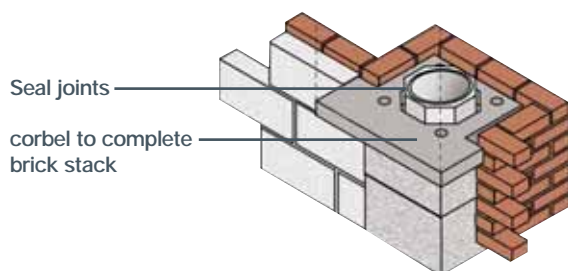
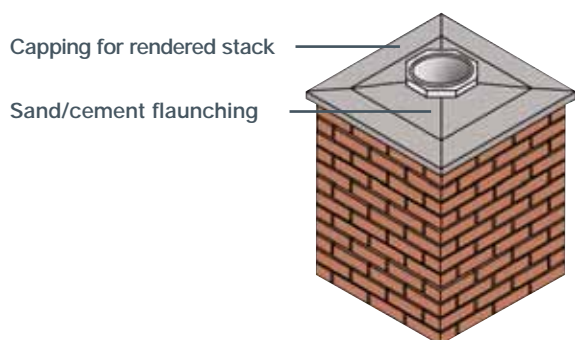


Chimney Breast Bend Kit

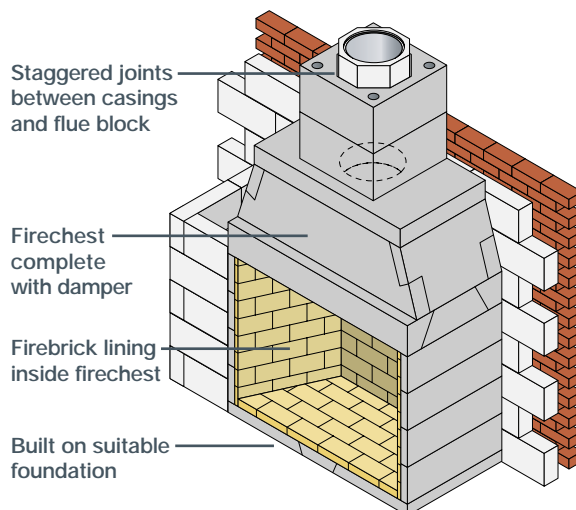
Two Bend Kits are available. The Breast Bend Kit allows the flue to be removed from 200 - 400mm within the chimney breast. The Standard Bend Kit allows the flue to be moved horizontally as desired so long as it is supported in the traditional manner.

Open Fires

Clay Concrete & Pumice - Chimney Systems



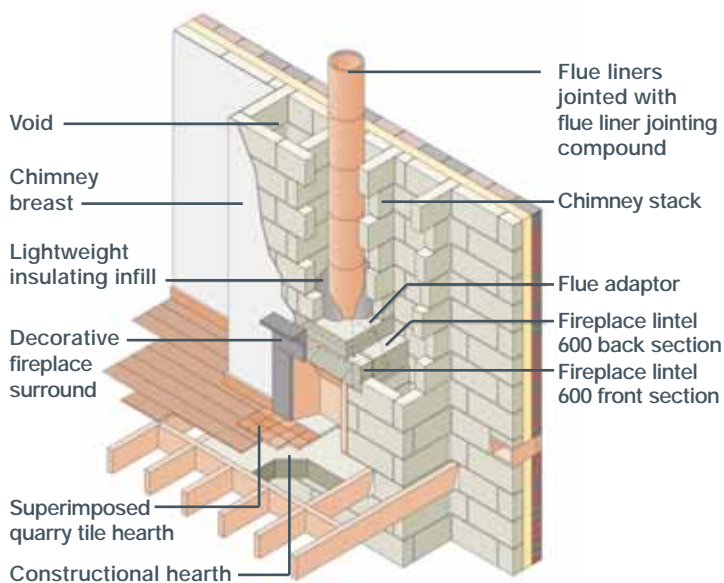
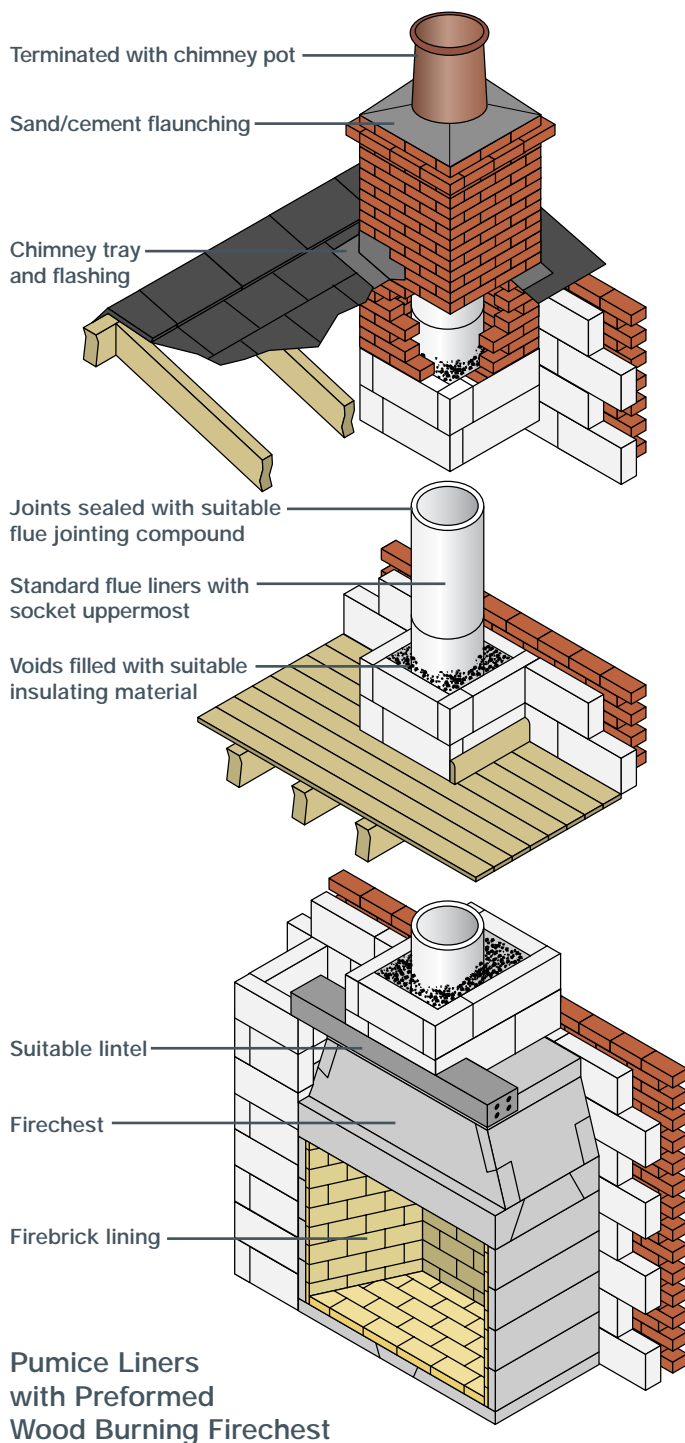
Open Fire using
Standard Firechest



Firechest

Open Fires

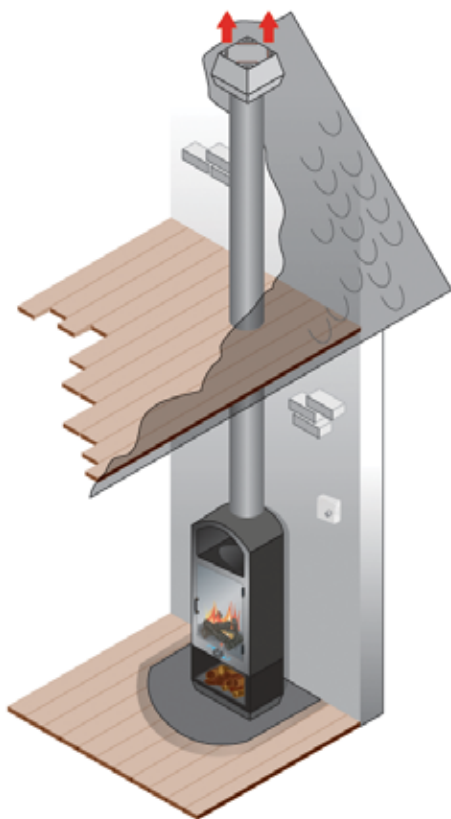
Clay Concrete & Pumice - Liners



**Standard Methodology for
Clay, Concrete & Pumice Liners**

Wood Burning & Multi Fuel Appliances

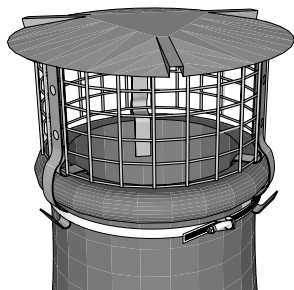
Chimney Fan System



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Examples of Terminals

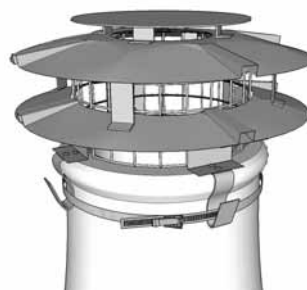
Examples of Stainless Steel Terminals, Birdguards & Anti-Downdraught Terminals



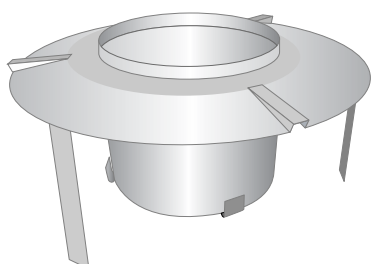
Birdguard
fitted to Chimney Pot



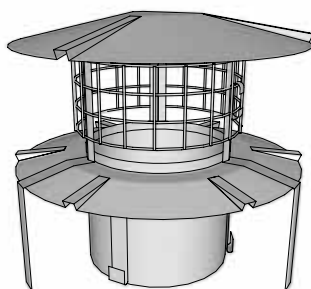
Raincap
fitted to Chimney Pot



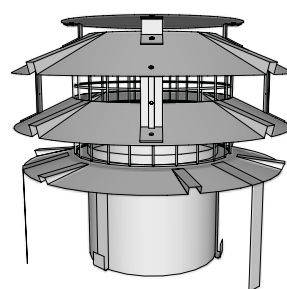
Solid Fuel Anti-Downdraught
fitted to Chimney Pot
(with or without mesh)



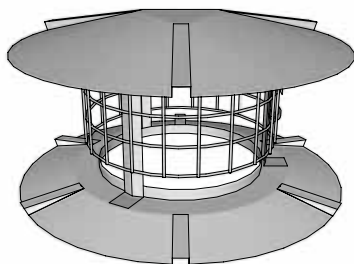
Pot Hanger
fitted to Twin Wall Flexible Liner



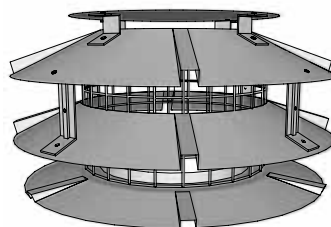
Birdguard Pot Hanger
fitted to Twin Wall Flexible Liner
(with or without mesh)



Anti-Downdraught Pot Hanger
fitted to Twin Wall Flexible Liner
(with or without mesh)



Birdguard
fitted to Twin Wall System
(with or without mesh)



Anti-Downdraught
fitted to Twin Wall System
(with or without mesh)

List of Members

Brewer Metalcraft

Units C & D,
Ford Lane Industrial Estate,
Ford, Arundel,
West Sussex,
BN18 0DF,
T: 01243 539 639
E: sales@brewercowls.co.uk
www.brewercowls.co.uk

Midtherm Flue Systems

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Netherton,
Dudley,
West Midlands,
DY2 8SY,
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E: sales@midtherm.net
www.midtherm.co.uk

SFL Flues & Chimneys

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Devon,
EX31 1LZ,
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www.sflchimneys.com

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PR4 6BE,
T: 01494 465166
E: info@exodraft.co.uk
www.exodraft.co.uk

Mi-Flues

Spiro House,
Cocker Avenue,
Poulton Business Park,
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T: 01253 600060
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www.mi-flues.com

Wavin Hepworth Terracotta

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E: customerservices@wavin.co.uk
www.wavin.co.uk

Forterra Building Products

Atherstone Road,
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Swadlincote,
Derbyshire,
DE12 7EL,
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E: redbanksales@forterra.co.uk
www.forterra.co.uk

Pennine Systems

Crossley Works, Stockfield Mount,
Off Peel Street, Chadderton,
Oldham,
Lancashire,
OL9 9LR,
T: 0161 678 2998
E: sales@penninesystems.co.uk
www.penninesystems.co.uk

W.T. Knowles & Sons

Ash Grove Pipe Works,
Elland,
West Yorkshire,
HX5 9JA,
T: 01422 372 833
E: sales@wtknowles.co.uk
www.wtknowles.co.uk

Jeremias UK

Unit 2-4, Long Stoop Way,
Sovereign Court
Crown Farm Industrial Estate,
Forest Town,
Mansfield
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T: 01623 889219
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www.jeremias-fluesystems.co.uk

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Schiedel Isokern
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www.schiedel.com/uk