

SPECIFICATIONS

Flue Length (min. recommended)	3.6m - from the fireplace top
Compliance	Tested to <i>AS/NZS2918 Appendix F - Timber Cavity Flue Only</i>
Flue Type	Natural Draught
Flue Size (Ø)	250mm/350mm/450mm
Flue Shield	Not required
Flue Clearances to Combustibles	50mm from 450Ø liner (<i>Timber Cavity Flue Only</i>)
Flue Extensions	Double Skin and Triple Skin

FLUE HEIGHT

Where the EW5000 is in contact with a building or the flue penetrates through a roof, the flue height will be a combination of the minimum flue length and the requirements to meet *AS/NZS2918 External Clearances*. The minimum flue length is **3.6m** from the top of the fireplace to the flue cowl and must have a minimum of 1.0m above the roof surface. The external clearance requirements of *AS/NZS2918* are to ensure that the flue cowl is not obstructed from any adjacent buildings or structures. Refer to the EW5000 Installation Manual for all requisite clearances. *Please note: a decrease in flue length will increase the chance of smoke spillage.*

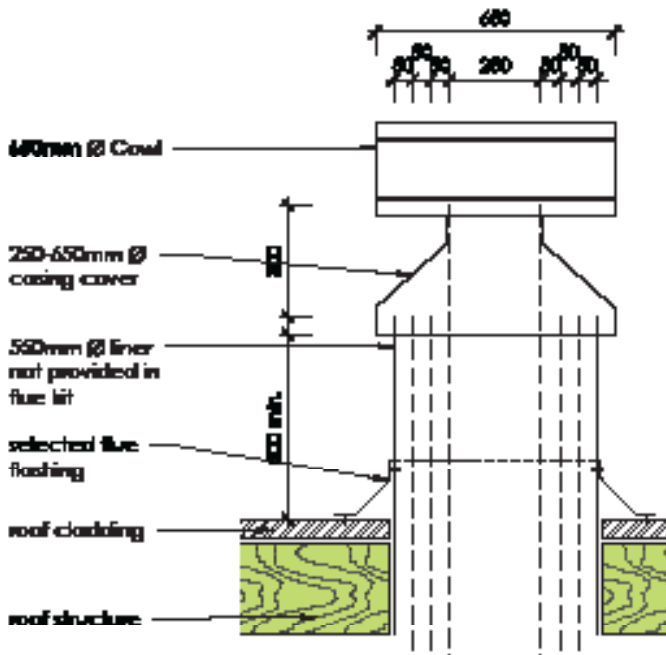
AAC HEAT CELL FLUE DROPBOX

The AAC heat cell dropbox is an integral part of the timber cavity installation method supporting the flue and liners, directing cavity air into the correct flue liner, and acting as a transition piece to seal the AAC Heat Cell. A spacer bracket is fitted to the 250mm Ø flue to support the dropbox. Correct height alignment is essential.

FLUE RESTRAINT

The outer flue or shroud should be restrained by way of compatible brackets connected to the outer casing and an adjacent roof or wall. Spacing of these brackets is at 3m intervals or 2m when the flue is installed up to 45° off vertical.

TIMBER CAVITY (TRIPLE SKIN) FLUE



FLUE OPTIONS

EW5000 Timber Cavity Flue Kit comprises a 3.6m triple skin flue system extending from the Fireplace and AAC Panel Heat Cell to the final cowl location. The triple skin flue allows for flue penetrations through a combustible roof. The kit consists of an exhaust flue, and two flue liners (250/350/450mm Ø). An additional 550mm Ø flue liner will be required to form the roof penetration or part of the chimney cap. This is not supplied by Escea.

EW5000 Standard Flue Kit comprises a 3.6m double skin flue system from the fireplace to the final cowl location. This kit is for use with non-combustible cavities not in contact with a building or passing through a combustible roof.

**For specific flue detailing refer to the Escea website: www.escea.com/technical*

BENDS OR OFFSETS

Flue offsets are useful when the flue centerline needs to navigate obstacles or have a different roof penetration location, not directly above the fireplace. Depending on the offset location and installation type, you may need double skin or triple skin offsets. However, it's advisable to minimize flue offsets or consider extending the flue length to reduce potential draught issues within the flue pathway. Flue offsets are not provided by Escea.

FLUE CLEARANCES

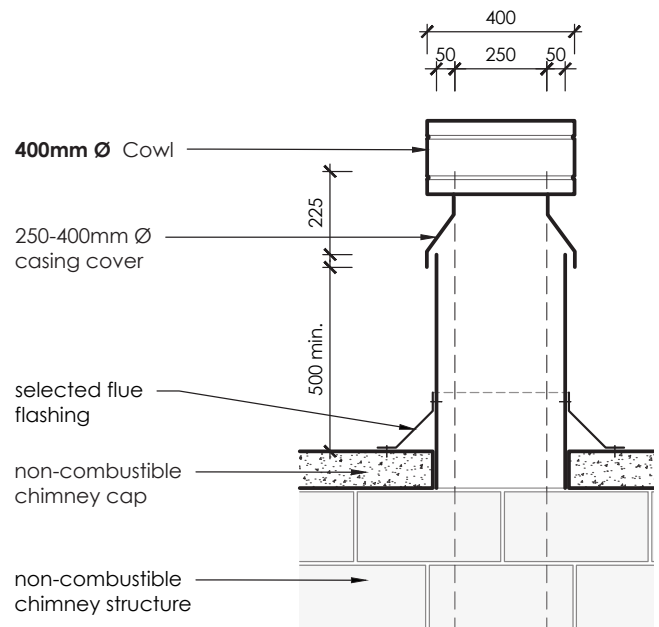
Maintain a **50mm** gap from the timber cavity flue 450mm Ø flue liner and any adjacent combustible material.

A **450mm** gap is required from the 350mm Ø flue liner to any combustible material when using the EW5000 Standard Flue Kit.

FLUE FLASHING

Flue flashing design and installation is the responsibility of the specifier or the installer. Choose a detail and/or component that will meet all relevant Building Code requirements and manufactured from a heat resistant material.

NON-COMBUSTIBLE CAVITY (DOUBLE SKIN) FLUE



For Installation methods not covered in this document please contact:

Email: aa@escea.com PH (NZ): 0800 17 3000

PH (AU): 1800 460 832 PH (WA): 1800 730 140

Installation Manual and CAD files are available via the QR Code or link: www.escea.com/technical