

EW5000 - Outdoor Wood-Burning Cooking Fireplace

Information Sheet for Builders and Architects

SPECIFICATIONS

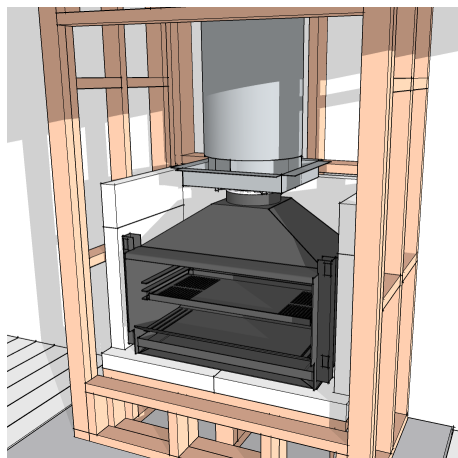
Where the EW5000 is to be installed with combustibles adjacent, in contact with a building, or with a flue through a combustible roof, the **Building Envelope (AAC Panel) installation method** must be used. Where the EW5000 fireplace enclosure and flue are to be entirely freestanding and unconnected to any building, this can be constructed from any non-combustible material.

Viewing Area Dimensions	884mm W x 479mm H
Installation Options	Standalone or Building Envelope
Compliance	Tested to AS/NZS 2918 †
Fuel Type	Hardwood (AU), Softwood (NZ)
Fireplace Weight	127kg + Flue (40kg)
Accessories	Cooking Plate, Pizza Oven
Flue Type/Size	Natural Draught @ 250mm
Flue Length (min. recommended)	3.6m - from the top of the appliance*
Building Consent/Permit	Required only for building envelope installs †

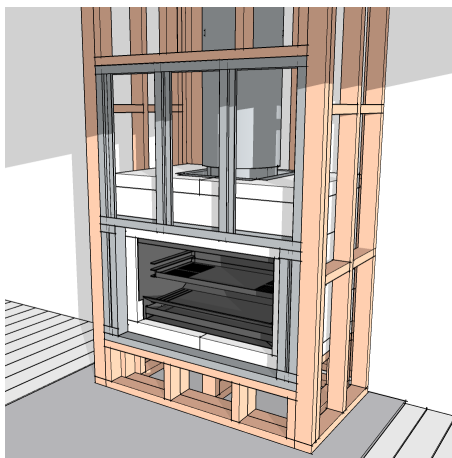


† Compliance testing for the EW5000 is specific to building envelope installations. Concrete or other non-combustible installations do not undergo AS/NZS2918 clearance testing and must stay separate from buildings and combustible materials. Safety clearances are vital to shield adjacent combustibles from the fireplace's significant heat. Deviating from these guidelines can risk user safety and building integrity. Check for any local regulations in your area before proceeding.

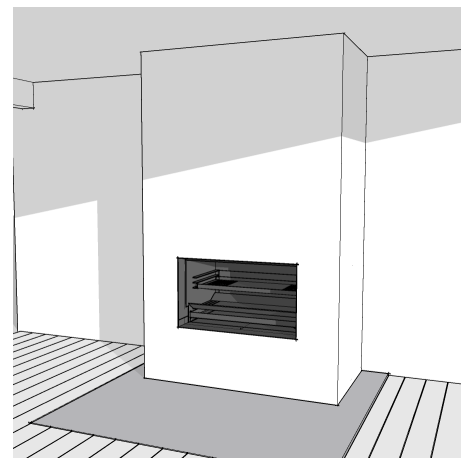
BUILDING ENVELOPE (AAC PANEL) INSTALLATION



Select an appropriate location meeting all flue clearance and building requirements. Establish the flue centerline for obstruction-free installation. Build the framework, provide external ventilation, and install **AAC panels** as instructed. Secure the fireplace and the 250mm Ø flue, and temporarily position the Dropbox support bracket and flue Dropbox.

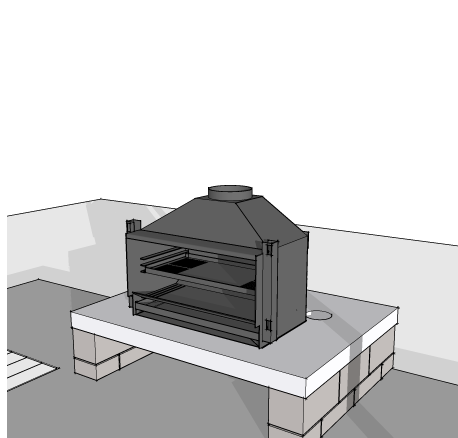


Finish the **AAC Panel** installation to enclose the heat cell. Conclude the flue installation by adding the remaining 350mm and 450mm Ø flue liners at the specified configuration and height. In this case, a lightweight steel frame is additionally employed on the front face to support the wall linings and finishes.

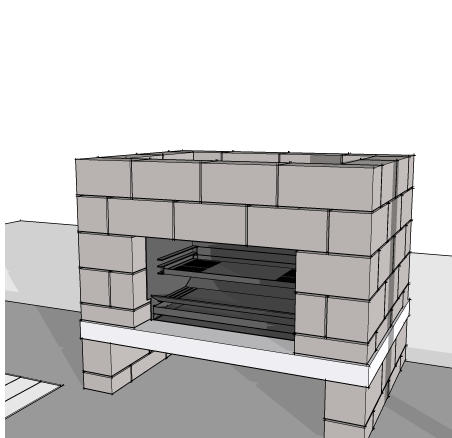


Fix a non-combustible substrate to the framework, detail the opening for wall lining protection from heat, and complete the installation with remaining fireplace components, wall finishes, and a floor protector/hearth.

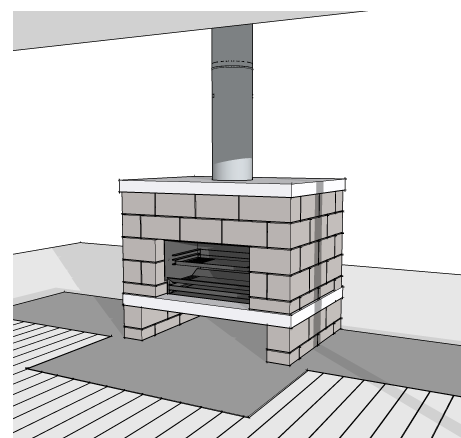
STANDALONE (NON-COMBUSTIBLE) INSTALLATION OPTION



Select a location meeting all building and flue clearance requirements. Build a base to support the fireplace and/or cavity. Fix the fireplace into its final location. Restrain the fire to its base.



Provide exterior ventilation inlet hole either in the base or walls. Build the cavity to the required dimensions and finish option.



Install flue and spacer brackets, ensuring a 450mm clearance from the outer flue to combustible materials. Complete installation with remaining fireplace and flue components, and apply wall finishes and floor protector or hearth.

* Refer to the *Escea EW5000 Flue Specification Guide*

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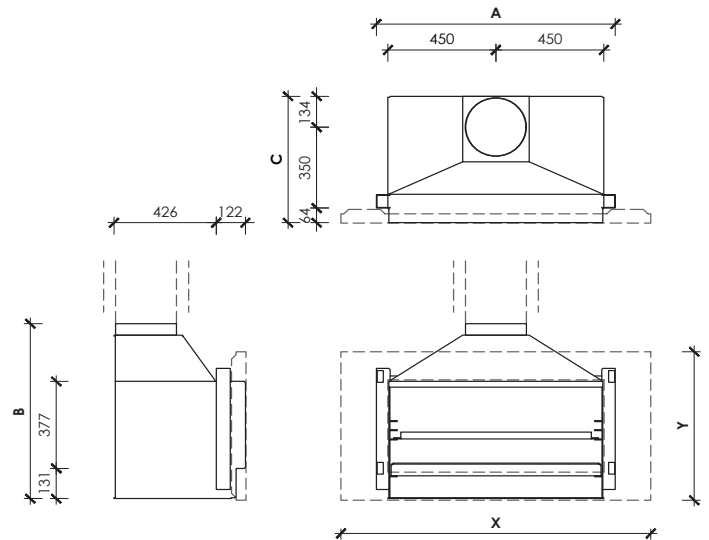
FIRE BY **escea.**

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APPLIANCE DIMENSIONS

Fireplace Width (A)	996mm
Fireplace Height (B)	758mm
Fireplace Depth (C)	548mm
Fascia Width (X)	1292mm
Fascia Height (Y)	644mm

AAC Panel Heat Cell Ext. Dimensions	1200mm W x 950mm H x 735mm D
Timber Cavity Int. Dimensions	1270mm W x 1550mm H x 770mm D
Non-Combustible Cavity Int. Dimensions	1096mm W x 780mm H x 545mm D
Cavity Opening Dimensions (Fascia)	1006mm W x 574mm H
Cavity Opening Dimensions (Frameless)	902mm W x 513mm H



BUILDING ENVELOPE (AAC PANEL) INSTALLATION

Where the EW5000 is to be installed with combustibles adjacent, in contact with a building, or with a flue through a combustible roof, this method is compulsory. The fireplace is enclosed in a **self-supporting AAC panel heat cell**, insulating it from adjacent combustible materials. AAC Panels must be $\geq 75\text{mm}$ thick with an R-Value of $0.56\text{m}^2 \text{K/W}$. Timber is suitable at the rear and sides but not on the front face. A lightweight steel frame supports front wall claddings. *For frameless installs only.* Use the **EW5000 Timber Cavity Flue Kit** for this installation.

STANDALONE INSTALLATION

This method is for installations where the EW5000 fireplace enclosure and flue are to be entirely freestanding and unconnected to any building. The cavity housing the EW5000 can be made from a suitable non-combustible or heat-resistant material. Cavity dimensions may vary based on the choice of using a fascia or frameless installation. Use the **EW5000 Standard Flue Kit** for this installation.

VENTING

Ventilation is required, and the amount depends on the installation method. For a **Building Envelope Cavity Installation**, two types of intake venting are needed. All venting out is directed through the triple skin flue system:

1. Timber cavity venting: requires a total intake vent area of **94600mm²**, with vents no more than 300mm from the appliance base.
2. AAC Heat Cell venting: requires a total intake vent area of **24200mm²**.

For a **Standalone Cavity Installation**, ensure a total intake vent area of **28600mm²**, with vents positioned within a maximum of 300mm from the fireplace base. Venting out is facilitated via the 350mm \varnothing flue liner.

EXTERNAL CLEARANCES TO COMBUSTIBLES

Clearance Guidelines: Maintain a **2000mm** clearance to any combustible material in front of the fireplace.

Ceiling Clearance (A): Any heat sensitive roofing/ceiling material above the fireplace must be no less than **1400mm** from the appliance opening.

Fireplace Elevation (B): No set elevation height is specified, but a non-combustible floor or insulating hearth is necessary regardless of the fireplace's placement height.

Side Wall (C): Maintain a 650mm clearance from the opening's side when there's a forward-extending side wall. When installing into a heat-resistant material other than concrete or the concrete is less than 140mm thick, ensure a minimum 1200mm clearance to any heat-sensitive or combustible material surrounding the sides and rear of the fireplace cavity.

Mantels: Only non-combustible mantels are allowed.

KIT-SET ENCLOSURE

The EW5000 Kit-set Enclosure is a prefab steel framework, offering an easy-to-assemble, lightweight alternative to heavier structures. It requires a fully non-combustible base for installation and can be finished with a suitable lightweight, non-combustible, or heat-resistant material. It must always remain fully detached from the building. Kit-set Enclosure Dimensions: **1800 W x 1202 H x 600 D** Use the **EW5000 Standard Flue Kit** for this installation.

HEARTH REQUIREMENTS

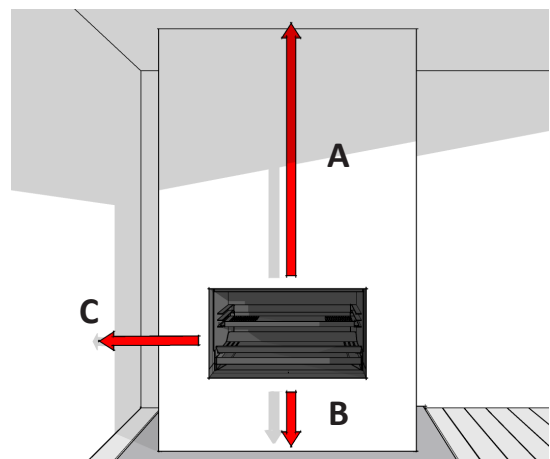
The EW5000 fireplace requires a fully non-combustible floor or an insulating, heat resistant hearth complying with *AS/NZS 2918*. Minimum dimensions of an insulating hearth to be: **1884mm W x 1000mm D**.

FINISHES

Finish the cavity front face with non-combustible, heat-resistant materials. The method of detailing wall linings or finishes at the fireplace opening depends on the installation method or fascia used. If wall cladding extends beyond the fireplace front, take precautions to shield it from heat. Refer to *EW5000 Finish Details* for further information, www.escea.com

FLUE HEIGHT

Where the fireplace or flue forms part of the building, the flue height is dictated by the proximity of the flue cowl to the highest point of the roof and the minimum flue length. Refer to the *EW5000 Flue Specification Guide* at www.escea.com



For Installation methods not covered in this document 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