

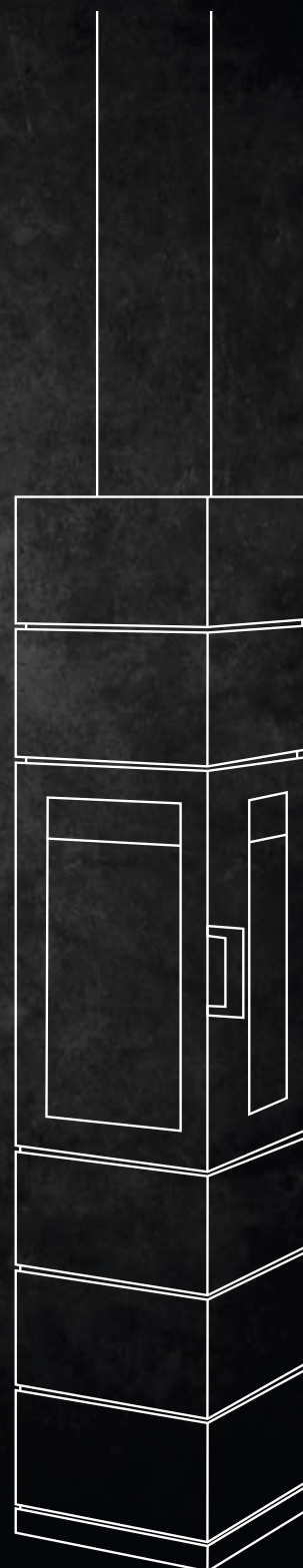
# SENDAI 110, 135, 155, 175: MODEL SPECIFICATIONS

---

1. TECHNICAL DATA	2
2. PRE-INSTALLATION	3
3. INSTALLATION	6
4. OPERATION	10
5. TESTING	11

---

Keep for future use



**obli.ca**

# 1. TECHNICAL DATA

WEIGHT AND DIMENSIONS:	
Dimensions Firebox	W370 x H1750-2200 x D410mm
Firebox weight	163-193kg
Flue kit	Standard 6"

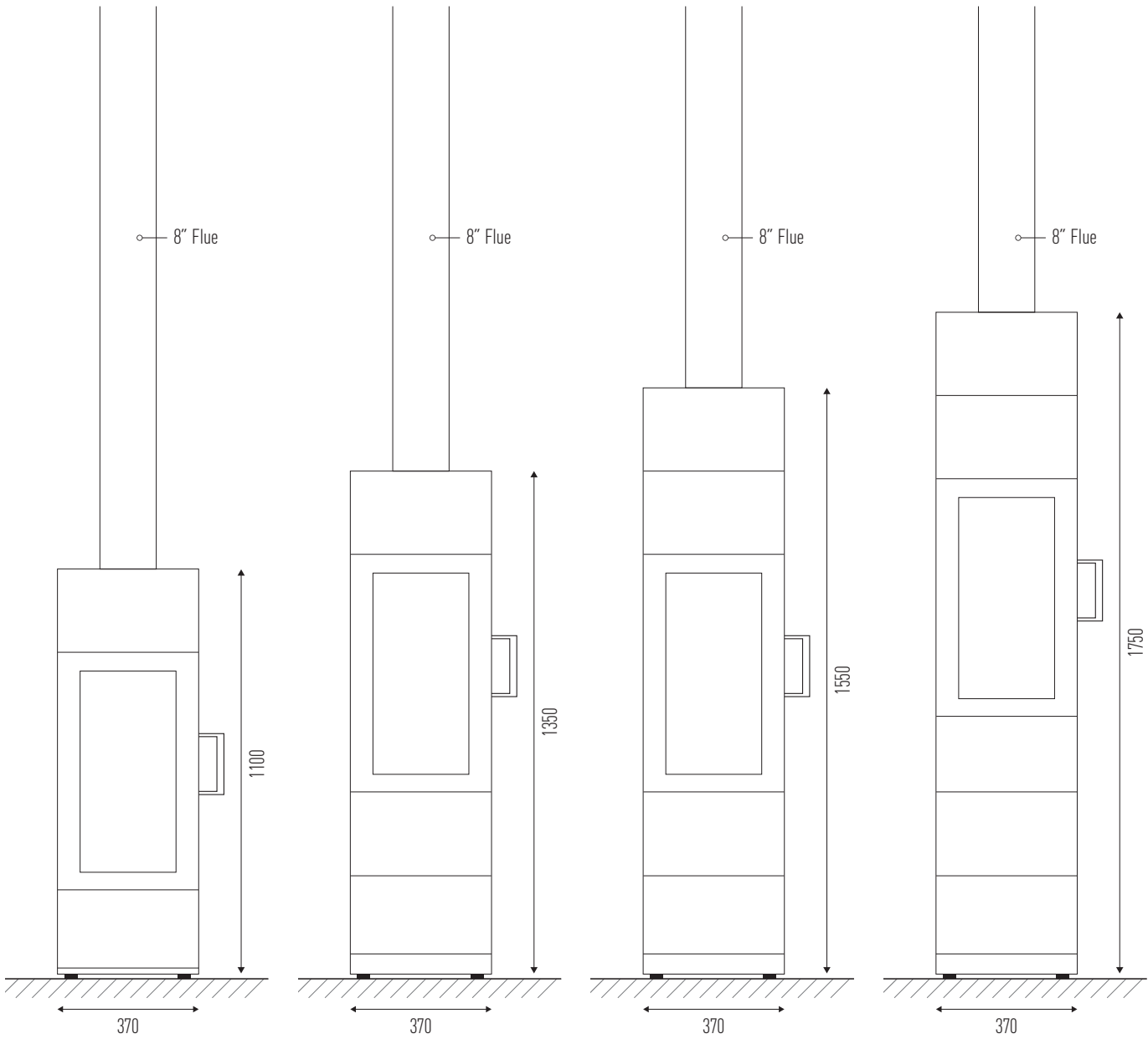
DETERMINED UNDER TEST CONDITIONS:	
Nominal thermal output	6kW
Efficiency (Australian Test)	61%
Emissions (Australian Test)	1.3 g/Kg

Sendai 110

Sendai 135

Sendai 155

Sendai 175



## 2. PRE-INSTALLATION

Congratulations on your purchase of the Sendai 175. This appliance should be installed and checked by a qualified professional. Ensure you have read the operation guidelines thoroughly prior to first use. For any questions or concerns please contact Oblica on 03 9416 0400.

The installation process is outlined below:

- Determine position of firebox and flue carefully observing the clearances described within this section
- Install the external flue
- Install the internal flue and engage the firebox
- Ensure the floor has adequate protection

### **CAUTION:**

Using components or parts other than those provided by the manufacturer or modifying the specification of components may result in inferior or unsafe operation. If such action is necessary, consult the manufacturer in the first instance.

### **WARNING:**

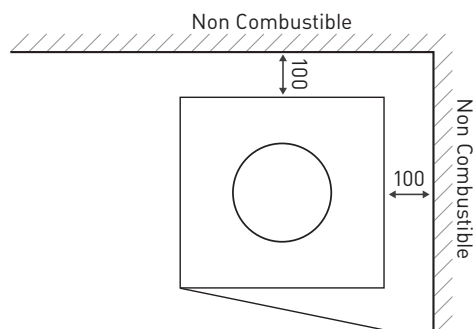
- The appliance and flue-system must be installed in accordance with AS/NZS 2918 and the relevant building code or codes.
- Any modification of the appliance that has not been approved in writing by the testing authority will be in breach of the approval granted for compliance with AS/NZS 4013.
- Once the flue has been installed and approved by a professional installer, the flue must not be modified in any way.

## 2. PRE-INSTALLATION (CONTINUED)

### MINIMUM CLEARANCE — INTERNAL

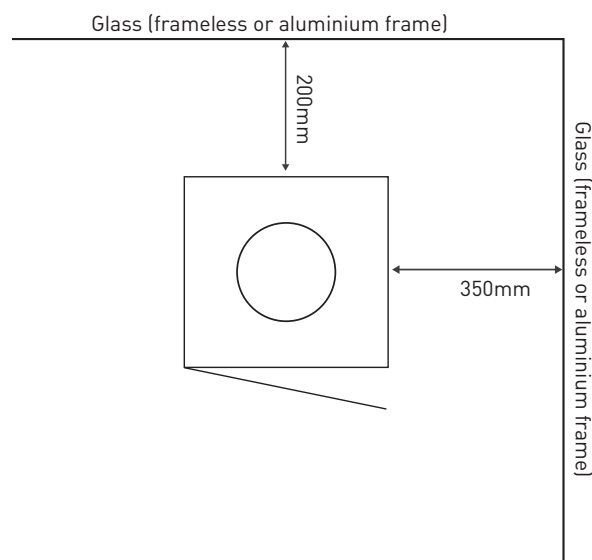
#### 2.1 Clearance from non-combustible surfaces (eg masonry)

100mm minimum clearance is required from fully non-combustible surfaces.



#### 2.2 Clearance from glass

350mm minimum clearance is required from normal non-combustible glass.



#### IMPORTANT:

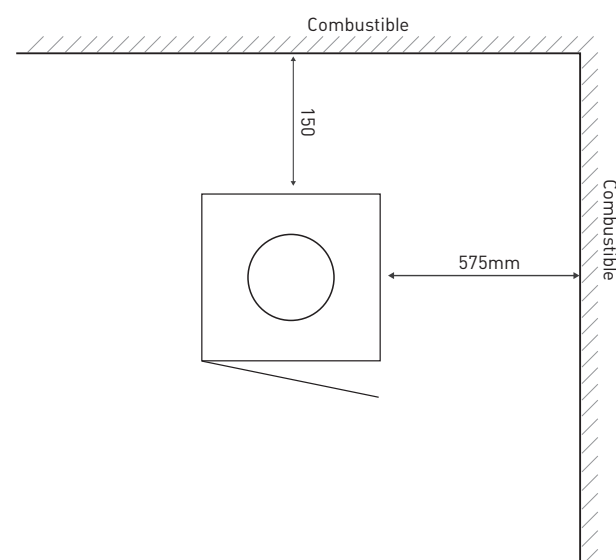
Frames must also be considered. Timber window frames must be treated as combustible surfaces (see 2.3). Aluminium frames can be treated as non-combustible surfaces (see 2.2).

#### 2.3 Clearance from combustible surfaces (eg timber joist & concrete)

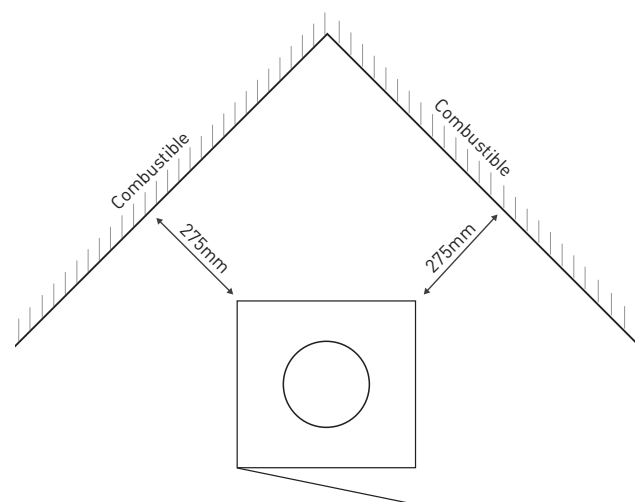
Clearances may be reduced with the application of heat shielding to walls in accordance to the Australian Building Code.

For information on heat shielding please contact our office on 03 9416 0400 or email [info@oblica.com.au](mailto:info@oblica.com.au).

#### Configuration 1 — Parallel installation



#### Configuration 2 — Corner installation



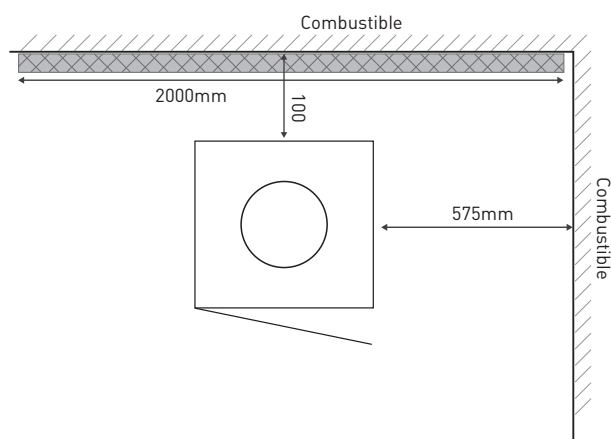
## 2. PRE-INSTALLATION (CONTINUED)

### MINIMUM CLEARANCE — INTERNAL

#### 2.3 Clearance from combustible surfaces (eg timber joist & concrete)

Skamotec 225 sheet (2000mm x 1200mm) must be of 25mm thick and installed directly on combustible wall. The sheet must be fixed with the 2000mm length fixed centrally behind the appliance and must extend to a height of 1200mm above the hearth.

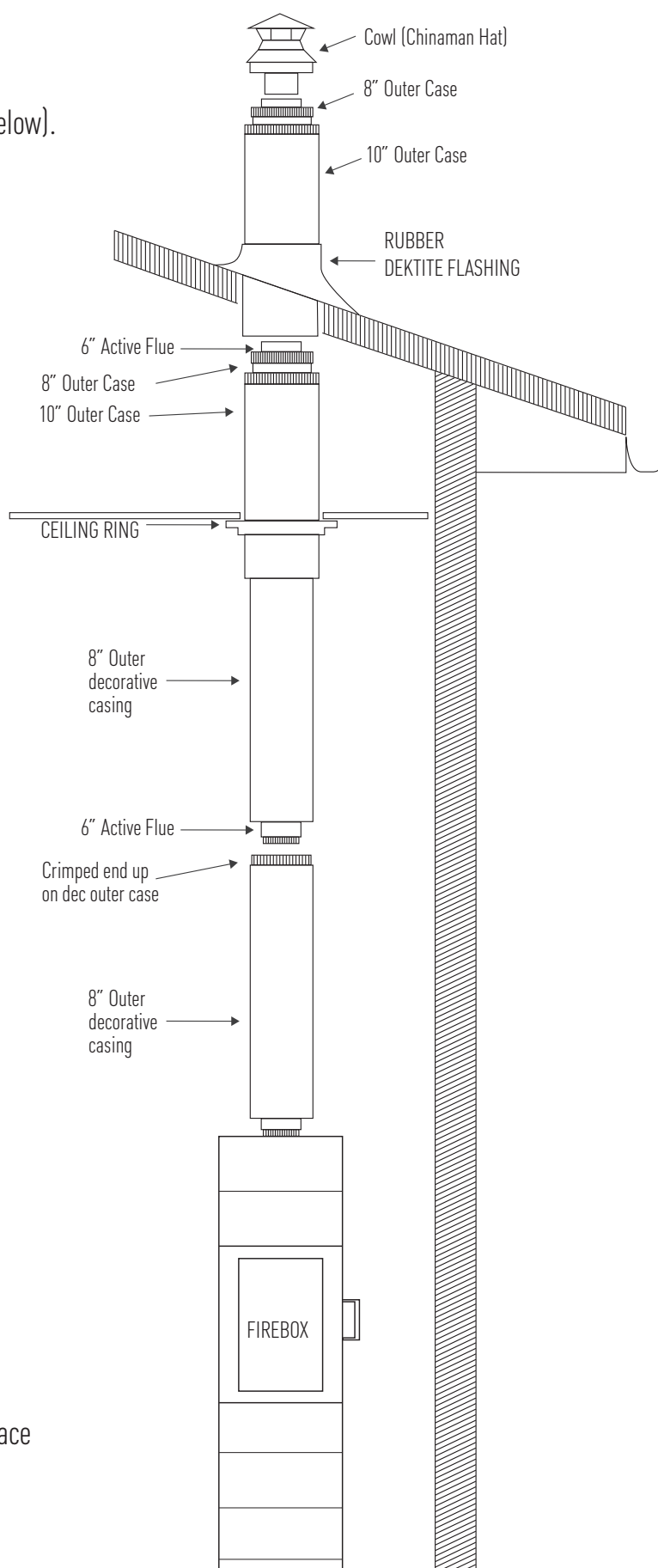
#### Configuration 3 — With Skamotec 225 25mm thick



# 3. INSTALLATION

## 3.1 Installing flue kit

Ensure flue is installed as per Australian standards (see the following diagrams below).



### NOTE:

The active flue must go around the fireplace outlet on the outside.

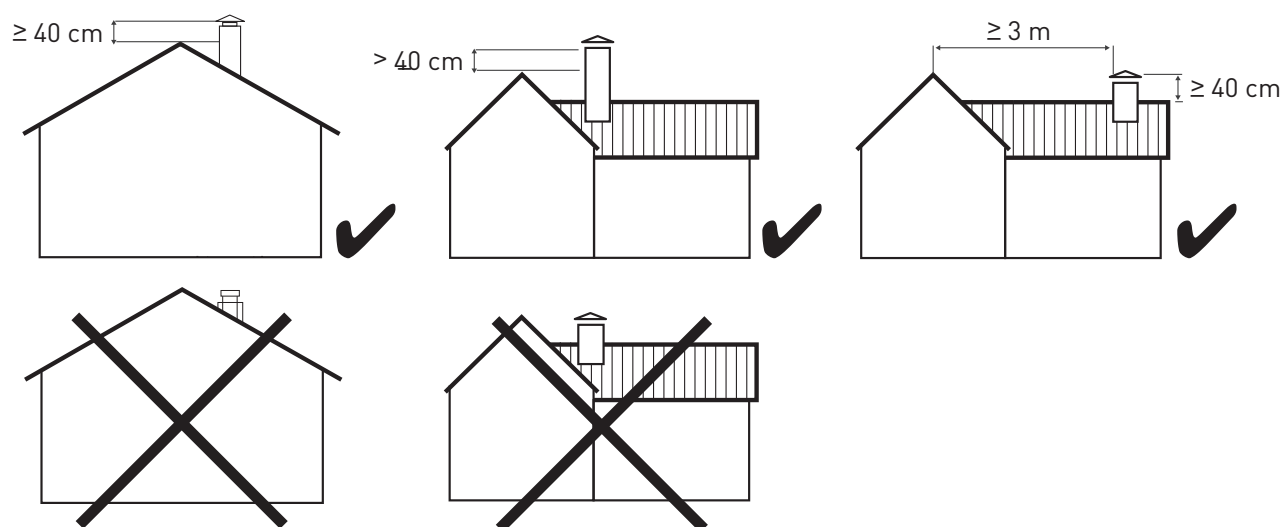
## 3. INSTALLATION (CONTINUED)

### 3.2 Installing the external flue

Ensure the triple skin flue is installed as per Australian standards (see diagrams below).

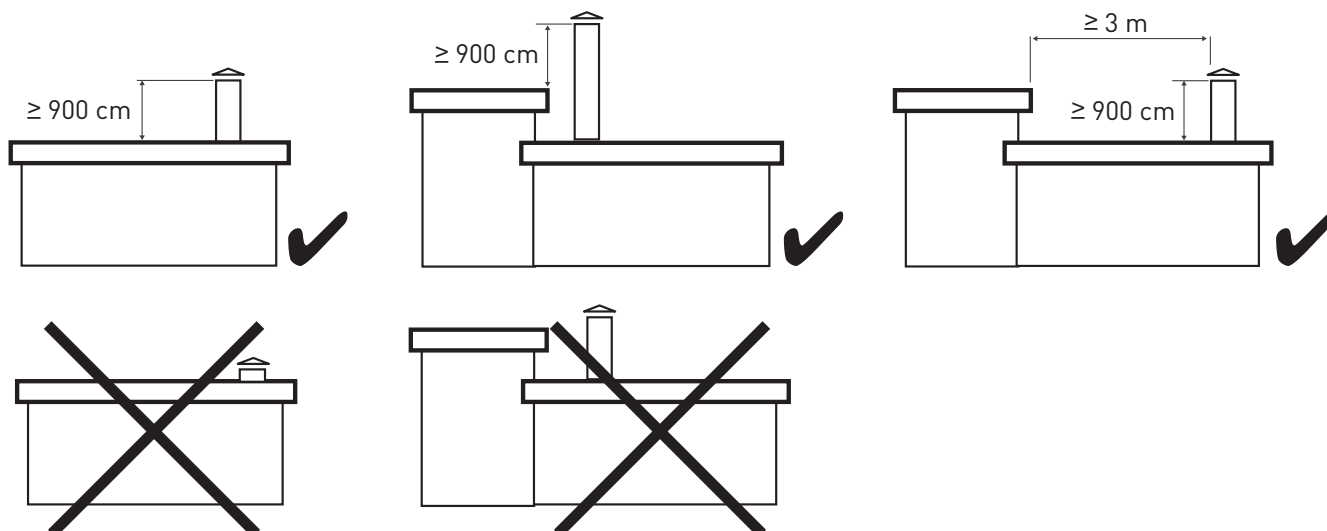
#### PITCHED ROOF INSTALLATION

The top of the flue must be 400mm higher than the highest point of the roof. Alternatively, there must be a minimum distance of 3 meters from any higher section of roof.



#### FLAT ROOF INSTALLATION (LESS THAN 5° PITCH)

The top of the flue must be 900mm above the roofline. Alternatively, there must be a minimum distance of 3 meters from any higher section of roof.

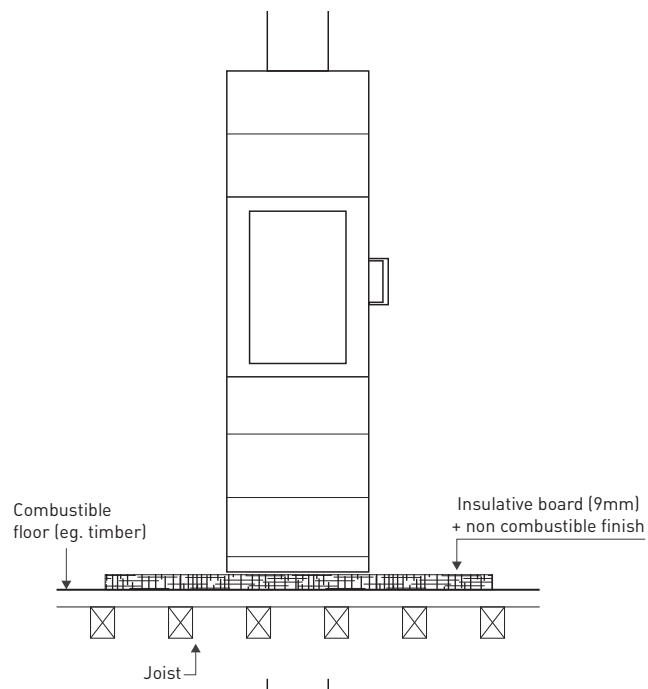


# 3. INSTALLATION (CONTINUED)

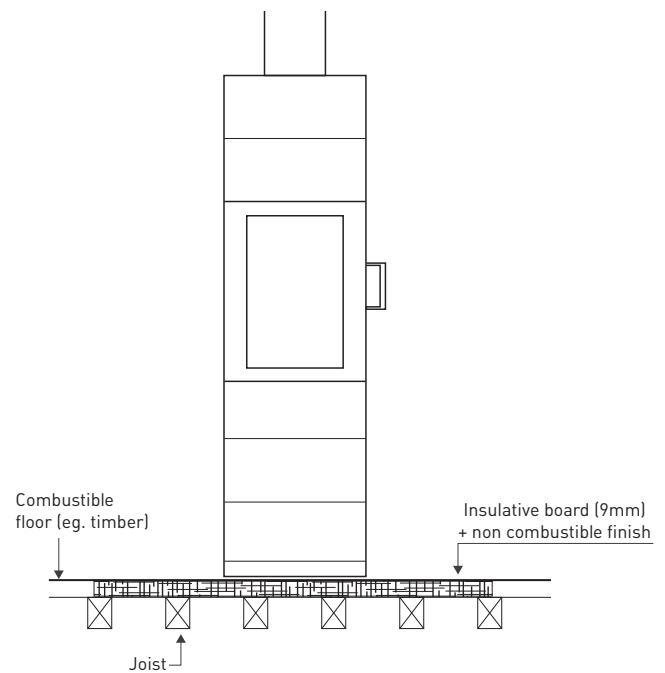
## 3.3 Protecting the floor

- Non-combustible finishes can be applied to the floor protector (tiles, steel sheet, light concrete, etc).
- If the combustible floor is installed on concrete, you can replace the combustible material with non-combustible material laid directly onto the concrete.
- A minimum of 710mm deep x 660mm wide x 9mm thick floor protector (Belis Board) should be used under and in front of the Sendai 175 fireplace.
- The floor protector should extend 300mm in front of the appliance.
- The thermal conductivity of the floor protector is  $0.1\text{m}^2\text{k/w}$  for 9mm thick sheet.

### FLOOR PROTECTOR LAID ON TIMBER FLOOR



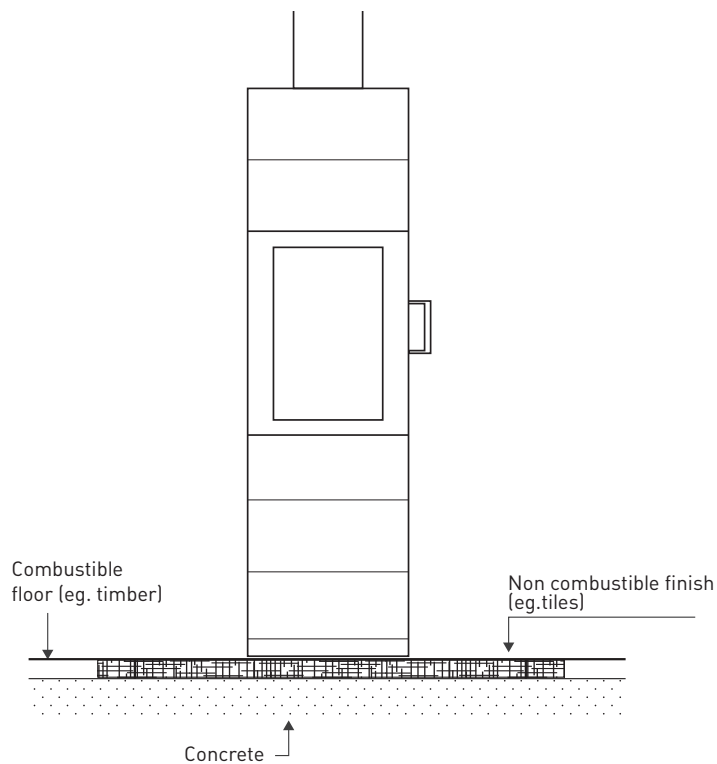
### FLOOR PROTECTOR LAID ON JOIST



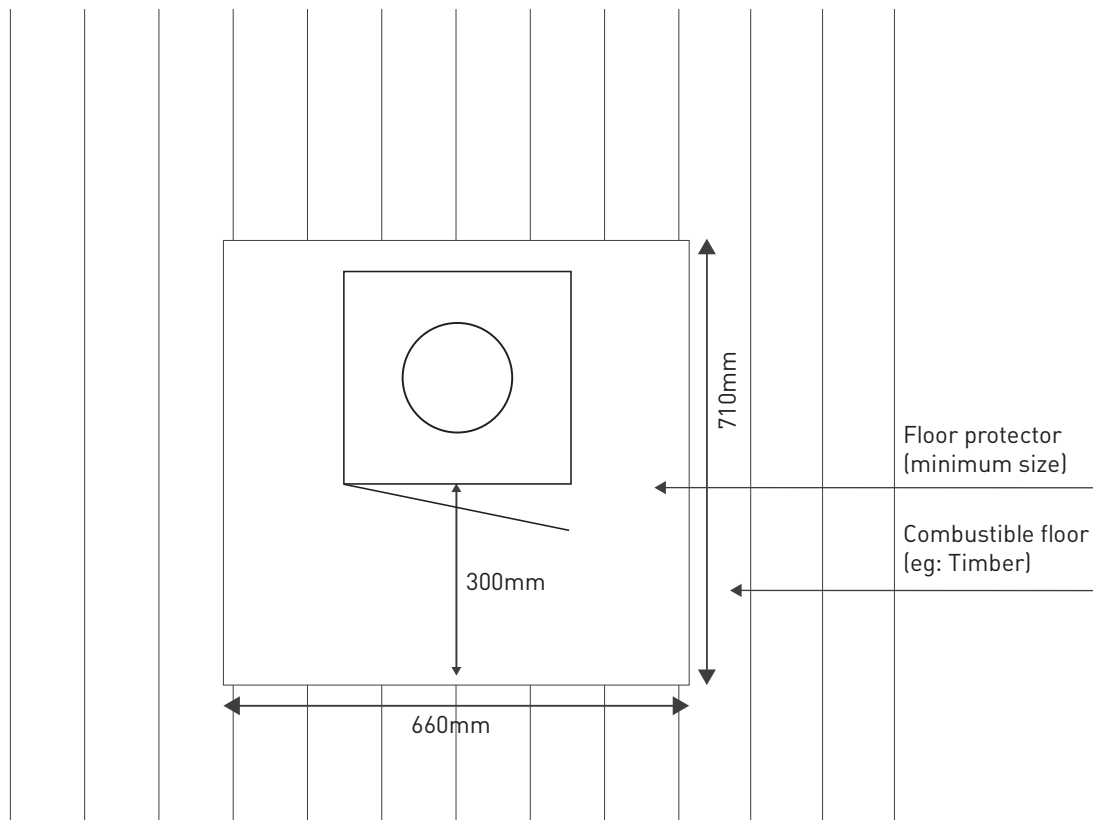


# 3. INSTALLATION (CONTINUED)

## FLOOR PROTECTOR LAID ON CONCRETE



## TOP VIEW



# 4. OPERATION

## 4.1 What you should burn

- Untreated, air dried hardwood
- Split logs with a humidity content of less than 20%

## 4.2 Do not burn

- Trash
- Painted plastic
- Coated or preservative treated wood
- Waste or black coal
- Inflammable liquids
- Fire gels
- Moist wood with a residual humidity content of more than 20% (this may cause sooting of the chimney).

### **IMPORTANT:**

- Misuse may lead to unhealthy and environmentally harmful emissions and will void any warranty or guarantee.
- The maximum load capacity for the Sendai 175 is 5kg of wood.
- Burning only seasoned hardwood helps to protect the environment and lower emissions.

For details of a wood supplier in your area please call our office on 03 9416 0400 or email [info@oblica.com.au](mailto:info@oblica.com.au).

### **WARNING:**

- Do not use flammable liquids or aerosols to start or rekindle the fire.
- Do not use flammable liquids or aerosols in the vicinity of the fireplace when operating.
- Do not store fuel within prescribed installation clearance distances.
- The use of some types of preservative-treated woods as a fuel can be hazardous.

# 5. TESTING

## TEST REPORT NO ASFT18013

<b>TESTING LABORATORY:</b>	Australian Solid Fuel Testing
<b>MANUFACTURER:</b>	Hase Kaminofenbau GmbH
<b>MODEL:</b>	Sendai 175 fireplace
<b>WORK REQUESTED:</b>	Assessment of appliance to AS/NZS 4012:2014 for determination of Power Output and Efficiency and AS/NZS 4013:2014 for Flue Gas Emission using hardwood fuel.
<b>ISSUE DATE:</b>	02/02/2018
<b>INVESTIGATING OFFICER:</b>	Steve Marland
<b>RESULTS:</b>	The appliance particulate emission factor established in testing is 1.3g/kg of dry wood, within the maximum specification of 2.5g/kg of dry wood, and have a 61% efficiency.
<b>CONCLUSION:</b>	This appliance does comply with the requirements of AS/NZS 4013:2014 for the configuration tested.