# *Cavity Flashing Install Guide*

## 1.0 PRODUCT DESCRIPTION

**Spartherm Wood Fires** are designed as a built-in appliance encased in a self-supporting, sealed cavity of Skamotec 225 calcium silicate board. Heat generated within the cavity must be prevented from escaping the cavity. This is achieved by a number of methods:

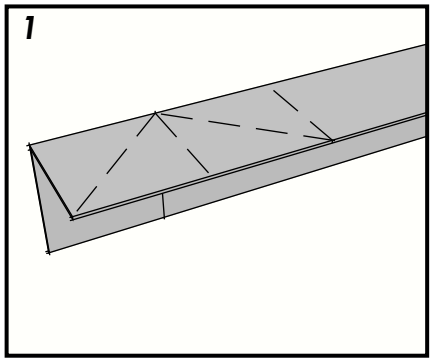
- Lapped joints and back blocked joints
- Glueing and screwing all joints
- Installing a metal flashing to the inner junction between the top and side panels

This document assists in the construction of the flashing joins and the installation procedure into the Skamotec cavity. Please read these instructions in conjunction with Spartherm Wood FIre Installation Manual provided with the appliance.

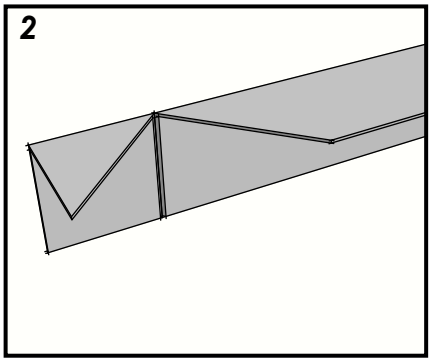
**Contact the Escea Architectural Advisory Team for assistance with this specification - *aa@escea.com***

## 2.0 FLASHING JOINTS

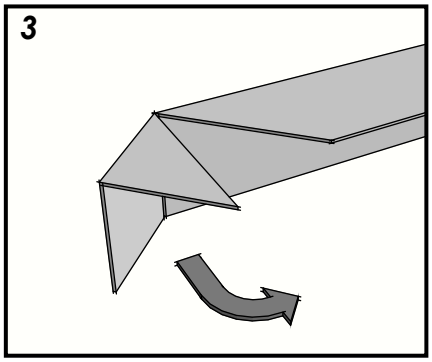
Supplied Metal flashings are to be cut to the required size for each Skamotec cavity. This will need to be measured on site at the installation of the Skamotec boards. Metal flashings are to be inserted between the inner and outer layers of Skamotec and not be exposed to direct heat from the cavity. If a single layer of Skamotec is used cover the flashing with a 40mm x 120mm Skamotec batten. Fix to the Skamotec boards with High Temp Adhesive and 2x30mm Diamond point nails.



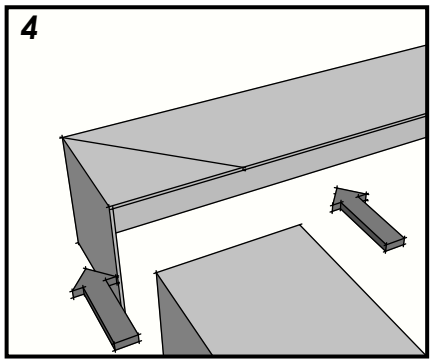

+ Measure finished length of flashing for back and front panels adding 80mm at each end to form the mitred joint.
+ Mark 2 lines at 80mm and 160mm from the end of the flashing.
+ Mark a line at 45 Deg back to the 80mm mark as shown.



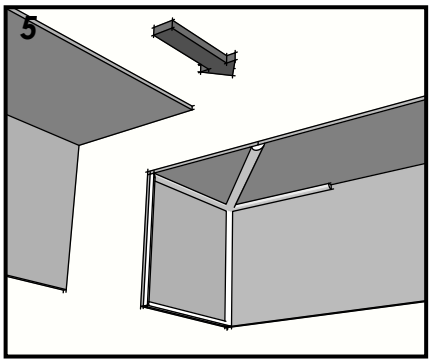

+ Cut along the the 45 Deg lines to meet at the 80mm mark.
+ Scribe the inside face on the face 80mm line to help fold the flashing.



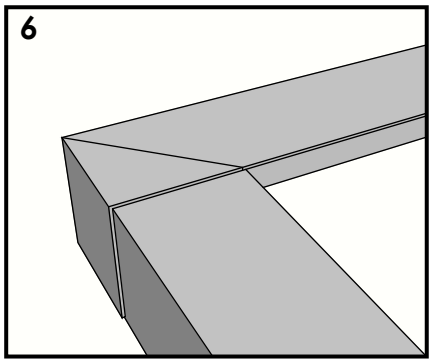

+ Fold along the 80mm line inwards to form a mitred corner.




+ Ensure the mitred corner sits flat and square.
+ Prepare cut ends of side flashings.

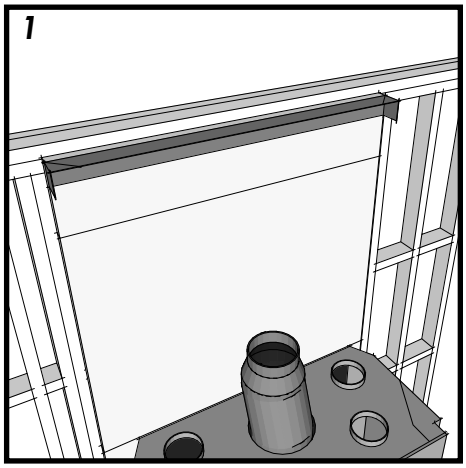



+ Apply High Temp Sealant along joints as shown to seal side flashing, mitre and top flashing together.
+ Ensure mitre stays closed.

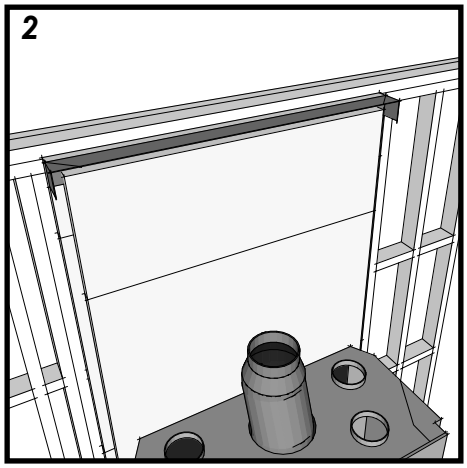



+ Insert side flashing underneath mitred joint and fix to Skamotec boards with nails.

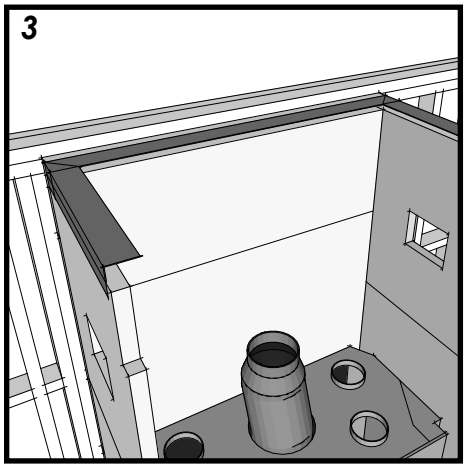
## 5.0 FLASHING INSTALLATION



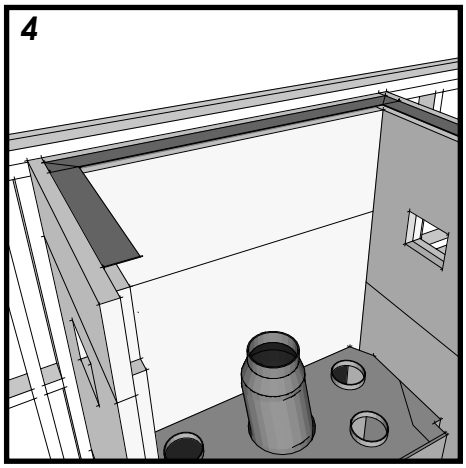

+ Back panel is fixed in place as per Installation Manual.
+ Back flashing is cut to size, mitred and fixed to the back panel with nails and glue.



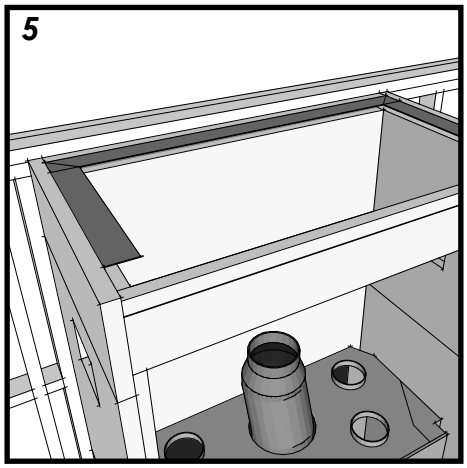

+ Inner back panel is located 40mm in from sides and 40mm down from first back panel.
+ A gap is left to fit top panel in place later.



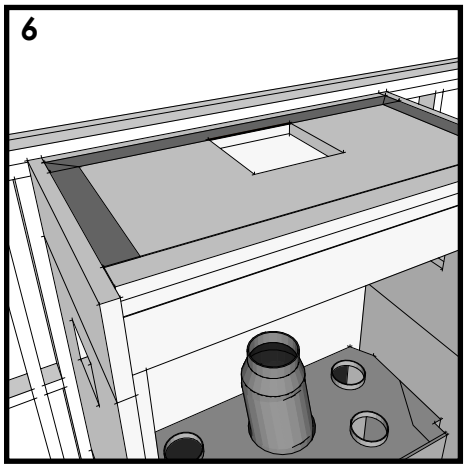

+ Inner side panels are cut to size for cavity. These are fixed to inner back panel as per Installation Manual.
+ Side flashing is cut to size and slid into place inside back flashing.



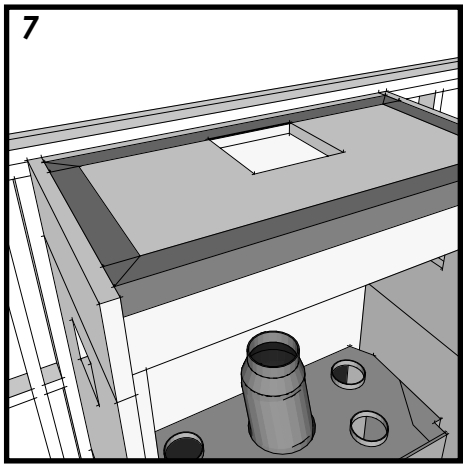

+ Outer side panel is cut to size.
+ Fix outer side panel to inner side panel. This should finish flush with top of side flashing.



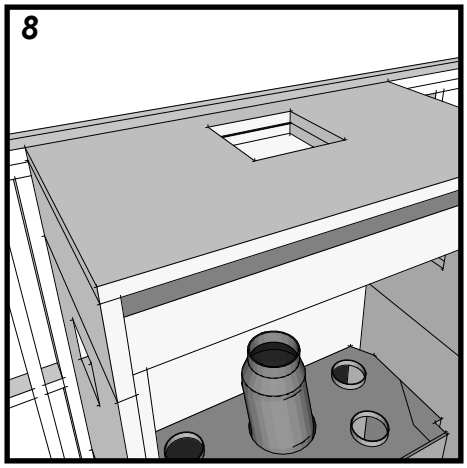

+ Where a single front panel is used, cut a 40 x 120mm Skamotec batten and fix into place. This will shield the flashing from direct heat within the cavity.



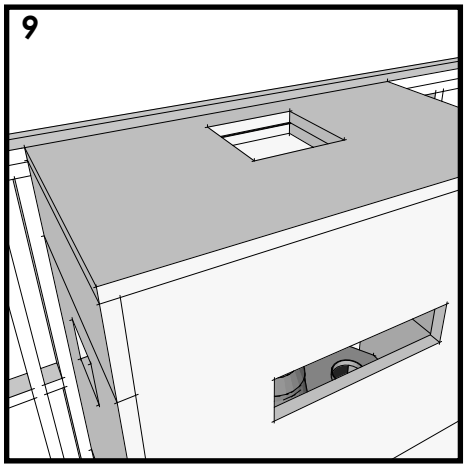

+ Cut inner top panel to size.
+ Slide inner top panel into 40mm gap above inner side and back panels.




+ Cut front flashing to size, mitre and seal joints.
+ Install front flashing over side flashings, and over top and side panels.




+ Cut outer top panel to size and fix according to Instalaltion Manual.




+ Cut front panel to size and fit within the gap left by side and outer top panels.