

THERMALUX GUIDE

HEAT SHIELDING FOR STOVES

Thermalux

Sune Nightingale

Table of Contents

Heat shielding stoves and other appliances with 25mm Thermalux®.....	1
1.Requirements.....	1
Heat shielding when the stove is parallel, or no more than 30° to the wall.....	2
Heat shielding when the stove is in a corner facing out.....	2
2.Who am I?.....	3
I welcome feedback.....	3
In the trade? Then you should think about working with us.....	3

Heat shielding stoves with 25mm Thermalux®

The guidance here only applies to stoves which have a tested distance to combustibles to the sides and rear of 700mm or less. For the rest you must follow manufacturer's recommendations and the distance to combustibles given in the lab test results.

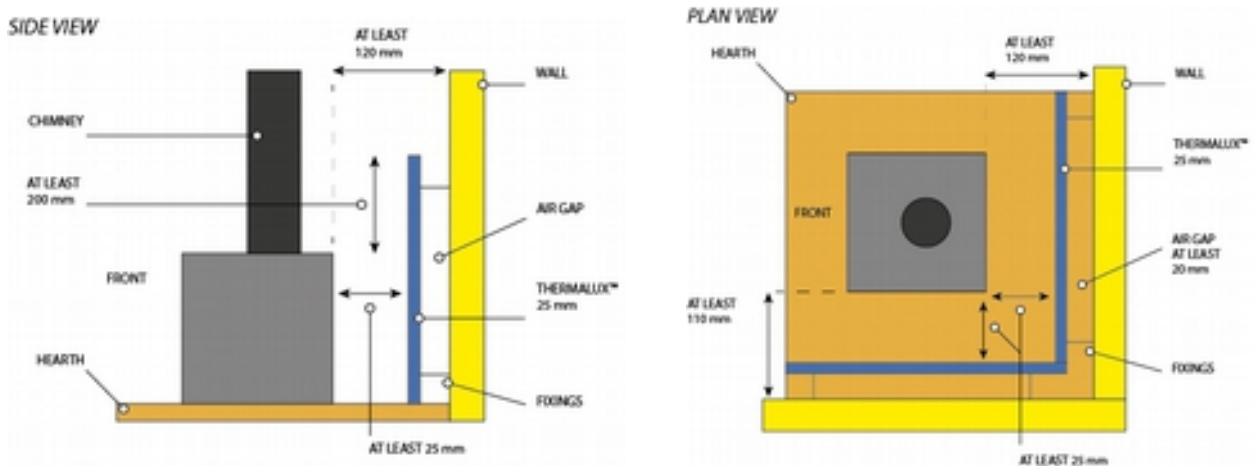
This method uses 25mm Thermalux® insulation boards with an air gap behind. The air gap can be open or sealed.

1. Requirements

- The Thermalux® 25mm board is used as the insulation board and thin strips used to provide the fixings at the edges.
- Strips of Thermalux® provide a place for fixings as well as creating a 25mm air gap. If alternative fixings and spacers are used then the minimum air gap is 20mm.
- This air gap may be open or closed.
- The board has to extend at least as wide as the hearth, and at least 200mm above the stove/appliance.
- Fixings should be at the edges and non combustible. If using glue then make sure it can withstand 150°C and will not give out harmful fumes when hot.

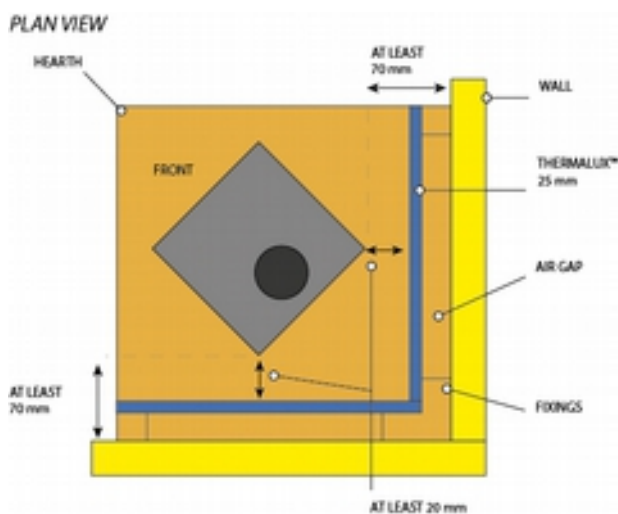
Heat shielding when the stove is parallel, or no more than 30° to the wall

Maintain a gap between the stove and the wall of at least 120mm to the back and 110mm to the sides.



Heat shielding when the stove is in a corner facing out

Maintain a gap between the back corners of the stove and the wall of at least 70mm, with a gap of at least 20mm between the stove and the Thermalux® board. Thermalux® 25mm used as both the board and spacer strips achieves the 70mm perfectly: 20mm(gap) + 25mm(board) + 25mm(strip/fixing) = 70mm.



2. Who am I?



My name is Sune Nightingale and I help to run Firepower. I am a self confessed stove geek and have been supplying stoves, pellet boilers, chimney systems, thermal stores for many years now. I enjoy the technical aspects of helping to design systems that heat houses with wood from a humble air vent for a Passiv Haus, to designing a Feature Wall luxury inset stove installation, to full blown, integrated, renewable heating systems.

As part of my role I am proud to sit on the HETAS Technical committee, the HETAS Installation subcommittee, and the BSI RHE/28 committee. All are really talented and knowledgeable groups of people from wide ranging backgrounds: installers, manufacturers, test-house engineers, official bodies. There I help with the collaborative efforts to improve safety and keep up with developments in our industry.

I welcome feedback

Did you find this useful? Great! If you have a spare 3mins then email me a short quote I can use on our website testimonials.

Do you have any comments or improvements? I'd like to hear them.

I'd also like to hear from stove installers and engineers about common challenges you face on site day-to-day so I can feed that back in to the committees.

I like LinkedIn: <https://www.linkedin.com/in/sune-nightingale-a94ba724/>

or you can email me: sune@firepower.co.uk

In the trade? Then you should think about working with us

We work via our network of registered Energy Centres, Showrooms and Engineers. We run specific training events for our more specialist products.

You gain access to a broad range of products which give an extra edge, either because they fill a niche in the market, allowing you to offer your clients something unique, but also by making the installation simpler, smoother, more elegant.

Check us out, learn more, get in touch

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