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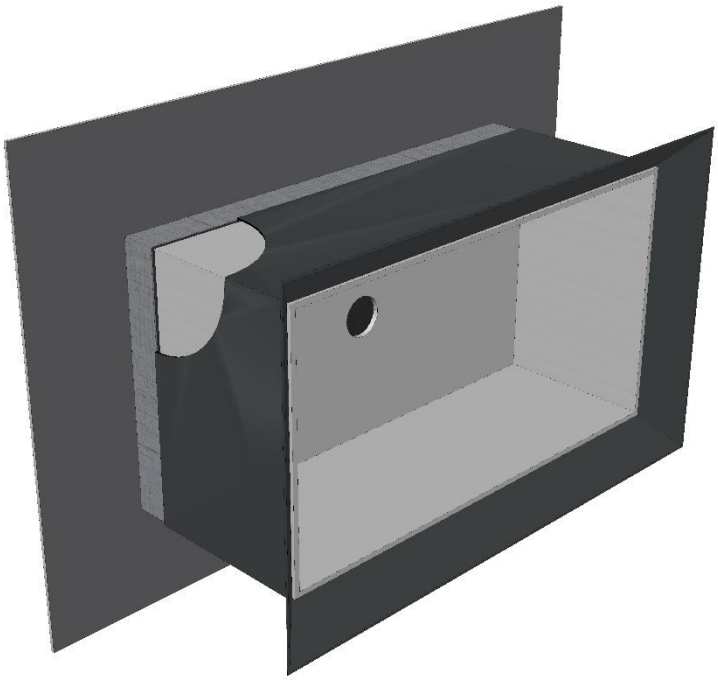
THERMO-SOC

INFORMATION & INSTALLATION GUIDE



- Simple to Install
- Insulated
- Air Tight
- Vapour Tight
- Exact Cutting

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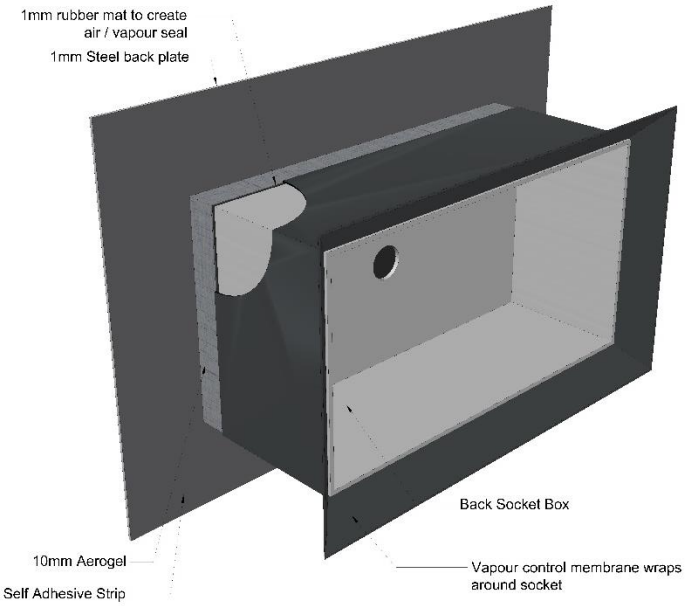
INTRODUCTION

Thermo-Soc

ThermoSoc is a new product developed to control vapour and heat loss when electric sockets / switches are installed into internal wall insulation systems.

ThermoSoc is manufactured by attaching a 1mm steel plate, complete with self-adhesive tape around its perimeter to an insulated socket box.

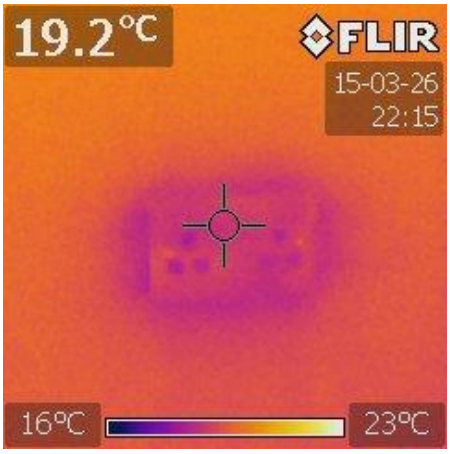
The insulation layer is created by a 10mm layer of Aerogel as standard, and this is located between the steel plate and the vapour control layer.
The vapour control layer encapsulates a socket box with a rubber mat located on the back face to create a seal when the wires are pulled through.



Thermo-Soc - Thermal Images

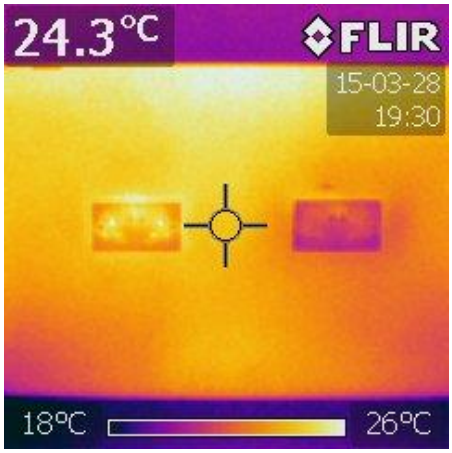
(1)

Existing Un-insulated Socket in a Private Dwelling



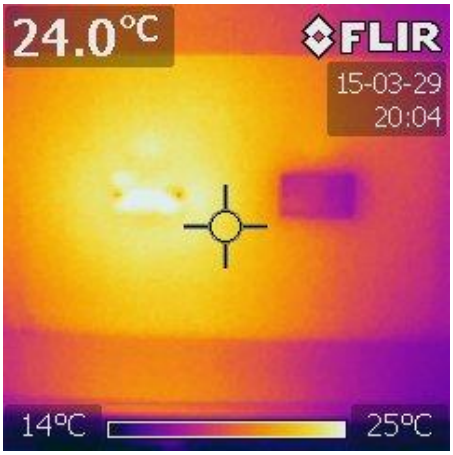
(2)

With (LHS) and Without Thermo-Soc Front of Insulation



(3)

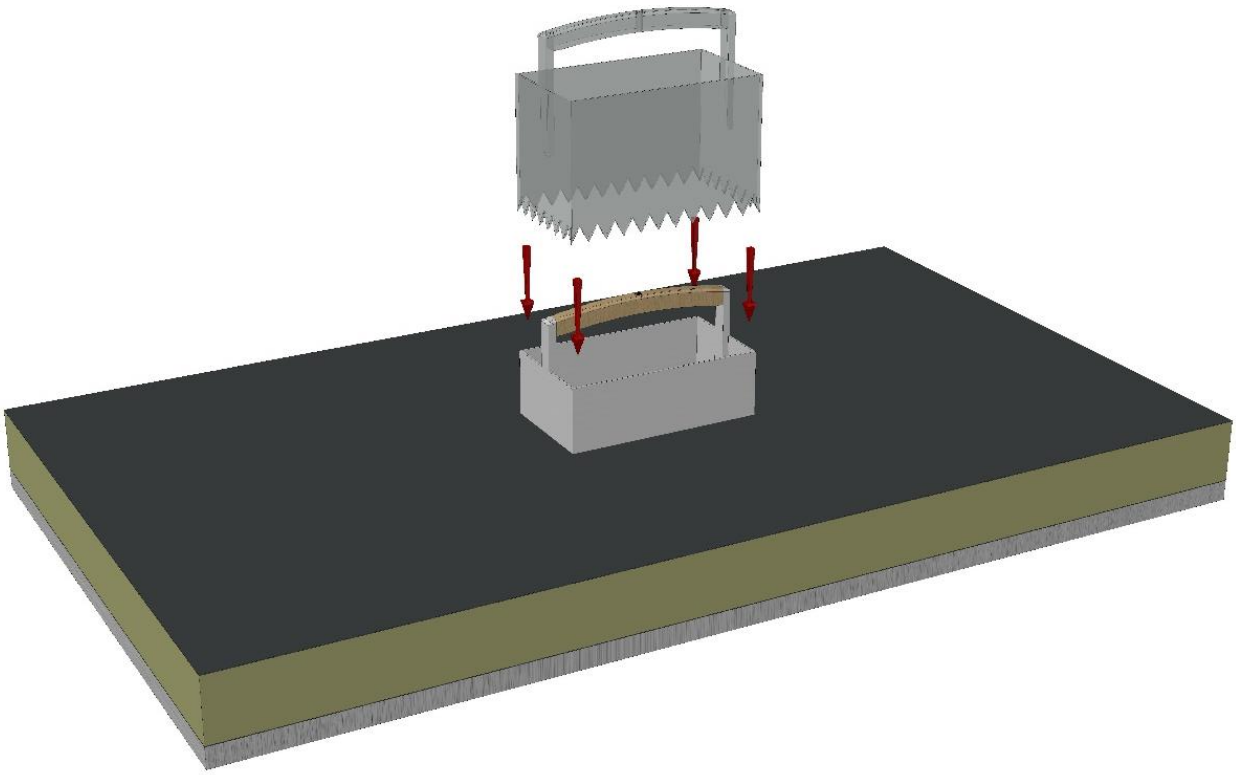
With (LHS) and without Thermo-Soc Back of Insulation



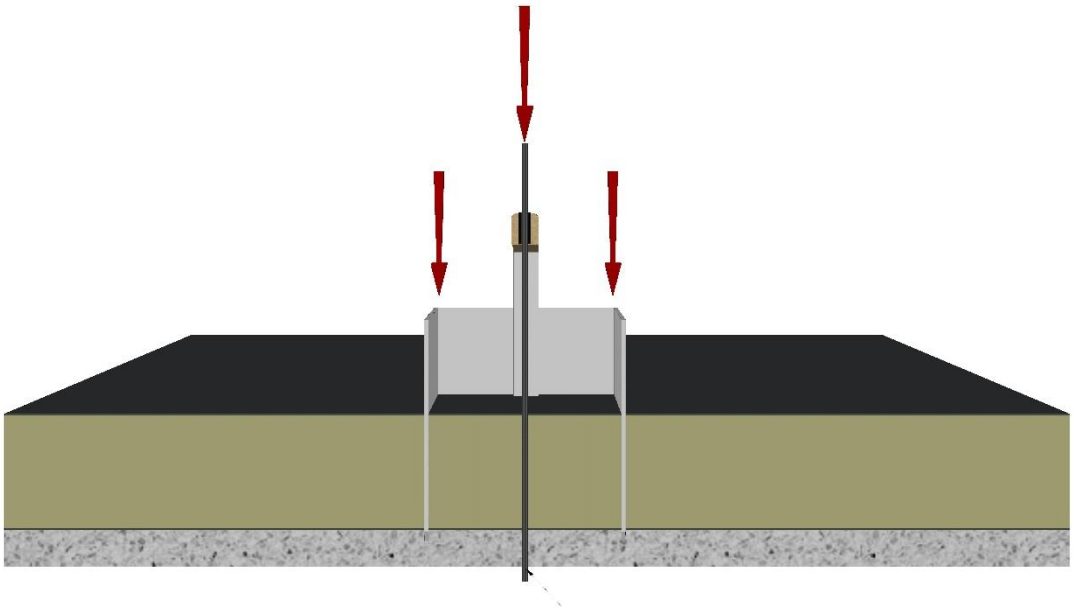
INSTALLATION GUIDE

1. Measure, mark and level the required height where the socket or switch is to be installed in the insulation/thermal laminate.

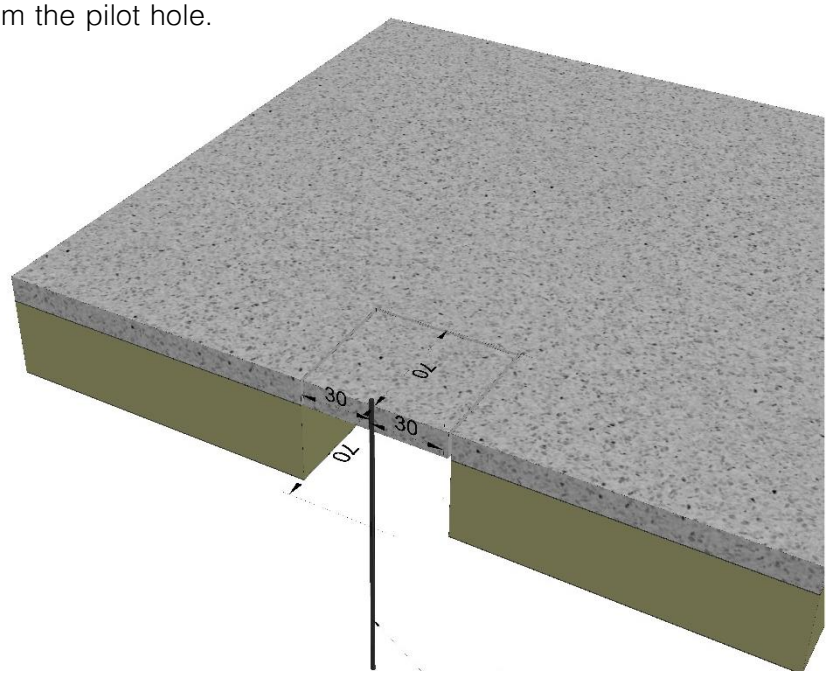
2. Place the insulated board on a flat stable surface and using the TC cutter, cut into the insulation to create the exact size of opening.



3. Using the pilot hole located in the handle, drill or using a pointed object punch through the lining board to create a location mark in the lining board.

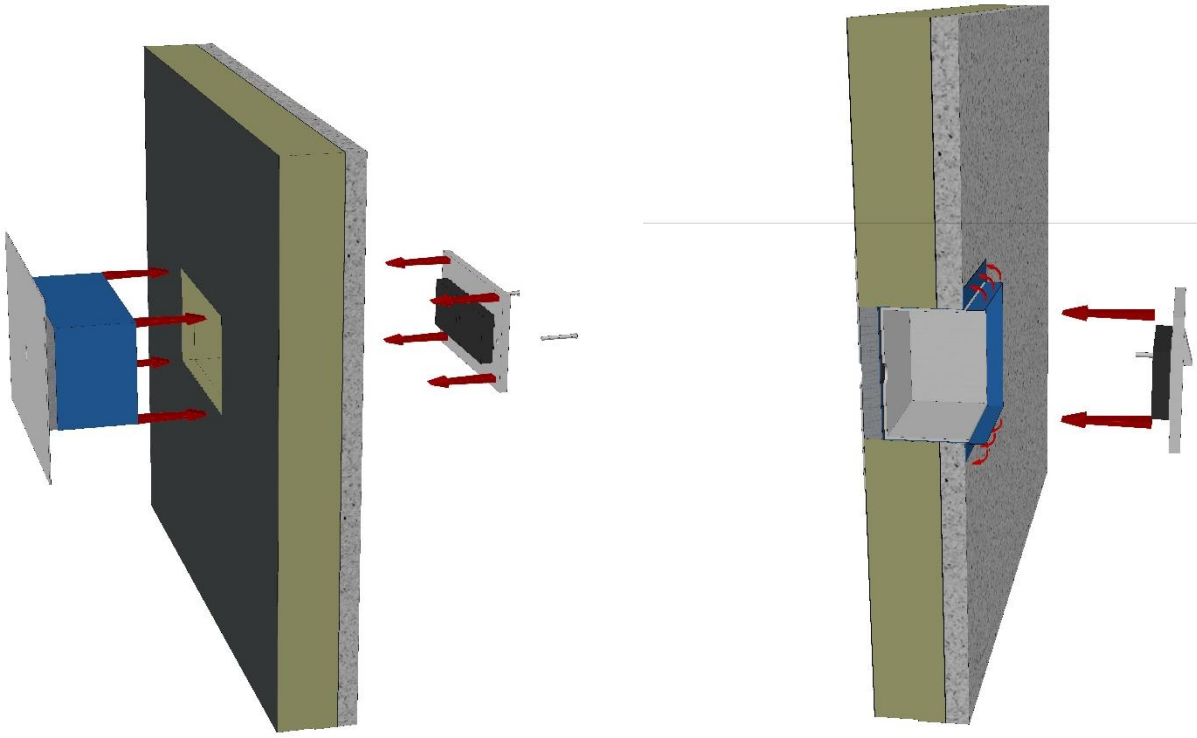


4. Carefully extract the cut insulation from the insulated board and using the pilot hole as a centre point, draw a line which will be located 70mm left and 70mm right and 30mm top and 30mm bottom from the pilot hole.



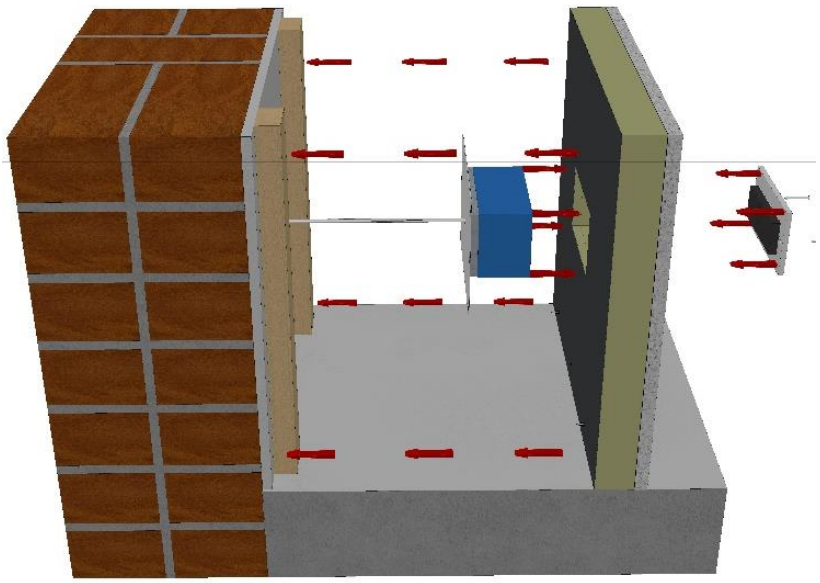
5. Carefully cut the lining board, following the marked lines.

6. Before inserting ThermoSoc, Peel off the double sided tape located on the back plate, and making sure the vapour control layer is pulled through the opening to the front face of the lining board.

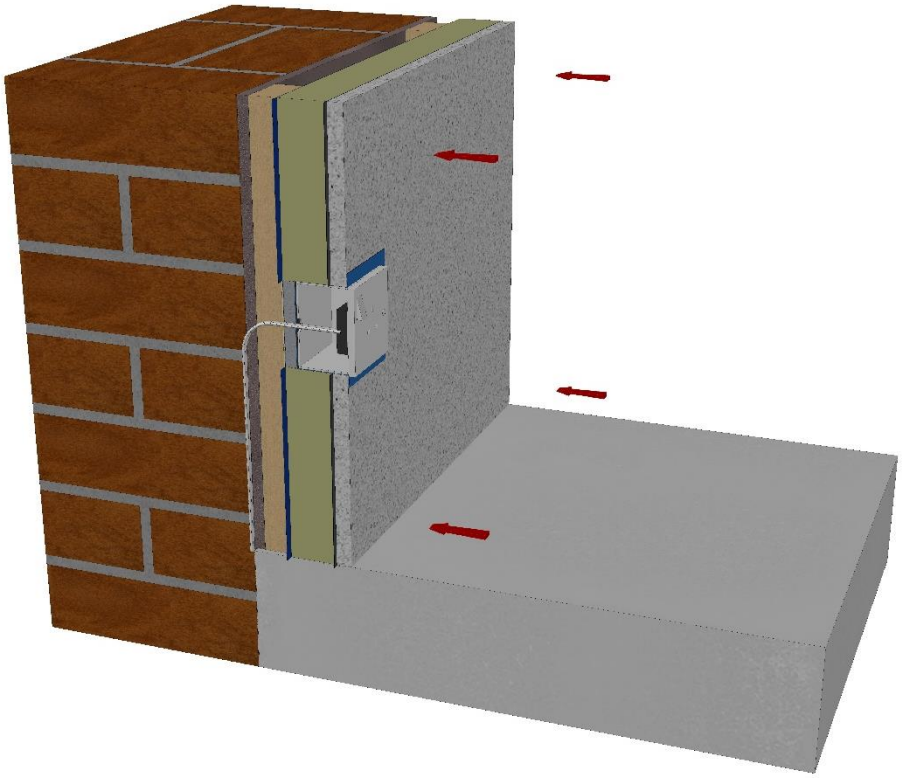


7. For double sockets two wires, drill 2 no. 8mm holes through the rubber to allow the cable to come through for a single socket, drill 1 no. 8mm hole.

8. Stand the insulation board vertically and pass the cable(s) through the back of ThermoSoc.



9. Fix the thermal laminate to the wall. Snip the four corners of the excess vapour control layer and fold and tape if needed onto the face of the lining board.



10. Connect the wires to the face plate, seal or tape around the entry point of the wires at the back of the socket and then screw back into socket.

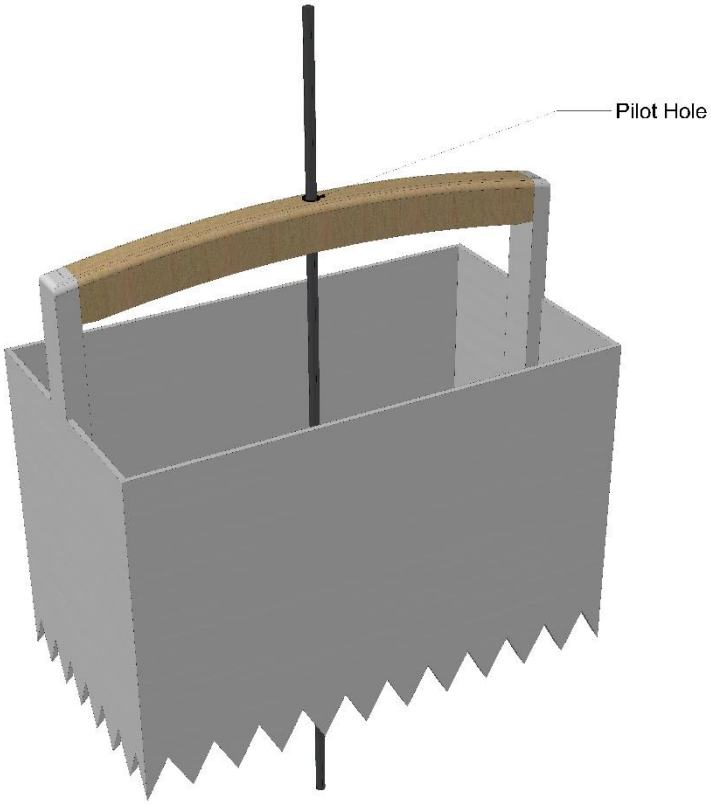
11. Trim the excess vapour control layer from around face plate once fixed.

GUIDENCE NOTES

All electrical works must be carried out by a competent person in line with IEE wiring regulations BS 7671.

Thermo-Soc Cutter

For Thermo-Soc to be effective Enviroform Solutions has designed a cutting tool to extract the exact dimensions of insulation to be removed. The socket thermal cutter is a unique design and is used as a punch to outline the insulation to be removed.



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