

For internal angles, the facing should be trimmed back a distance equivalent to the insulation thickness, allowing the insulation layers to overlap.

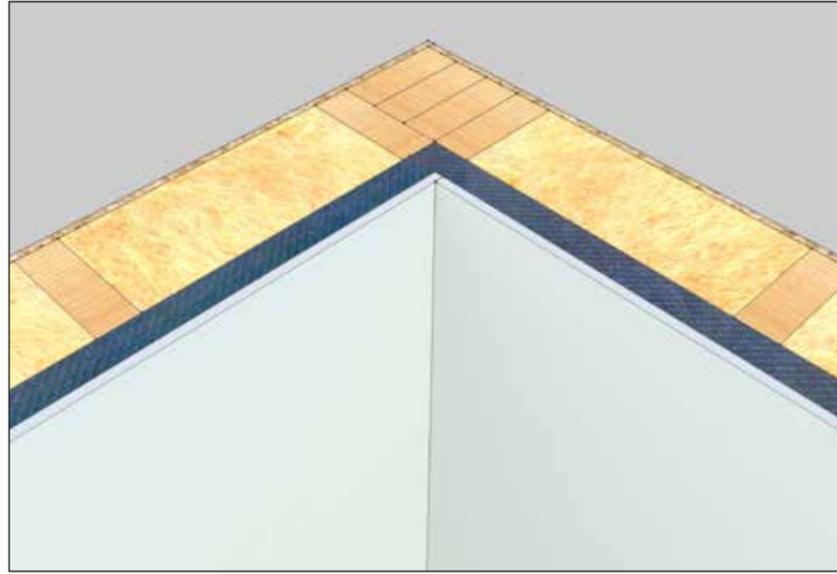


Fig. 6 Internal Angle Joint in Spacetherm Multi

After the boards are fixed in place, the joint should be taped and any gaps filled with a suitable filling compound. *Self-adhesive, glass fibre tape is not suitable.* A skim/plaster finish will provide the best finish as joints may be visible if painting/papering. If additional strength is required at these edges, the use of a metal angle jointing strip should be considered.

5 JOINTING PANELS

Joints between adjacent Spacetherm Multi boards are made in the conventional manner i.e. taped and filled with a gypsum based filling compound – self-adhesive glass fibre tape is not suitable. Where the wall is particularly uneven, a skim plaster can be used to provide a smooth finish. This will provide the best finish as joints may be visible if painting/papering directly over the Spacetherm Multi.

Before taping and filling, please ensure the board surfaces are free from dust (it may be necessary to use a vacuum cleaner), as excess dust on the surface may prevent adequate adhesion. Joints are then sanded as normal.



Fig. 7 Preparing Spacetherm Multi Surface for jointing

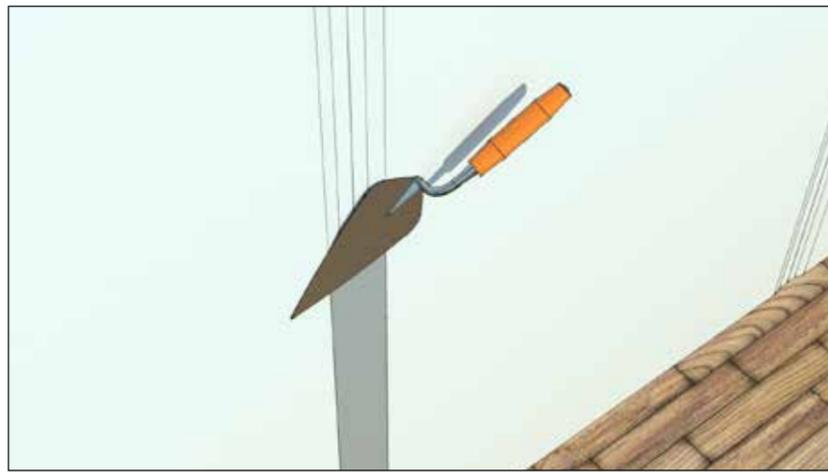


Fig. 8 Taping and Filling Joints in Spacetherm Multi

6 DECORATING

Wipe the Spacetherm Multi panels with a dry cloth to remove any dust that may have accumulated on the surface during the installation process. Where the finish is to be paint, wallpaper, tiles etc. use MgO primer evenly over the entire upgraded wall area and allow to dry. A single layer is often enough and will prepare the board to accept these finishes.

Please note when a plaster finish is required, we advise the use of Plasterbond primer to prime the board prior to the application of plaster. The boards must be dry and clean before application. Appropriate vapour open plasters can be applied at any point after 24 hours and Plasterbond has fully cured. Ensure that the plaster is appropriate to the task and we advise a trial area is used to assess suitability. Installation instructions are available on the website and should be followed. Where lime plaster is proposed please contact the technical department.

Suitable finishing plasters would be Thistle Multi Finish, or Lime Green Solo.

7 SUBSEQUENT FIXINGS

Although the Spacetherm Multi panels are durable, it is not recommended that fixings are made into Spacetherm Multi. Any fixings that are required in these areas should be made through the Spacetherm Multi panel into the timber battens beneath. For heavier items, such as kitchen units, it may be necessary to provide additional support battens prior to fixing the Spacetherm Multi panels.

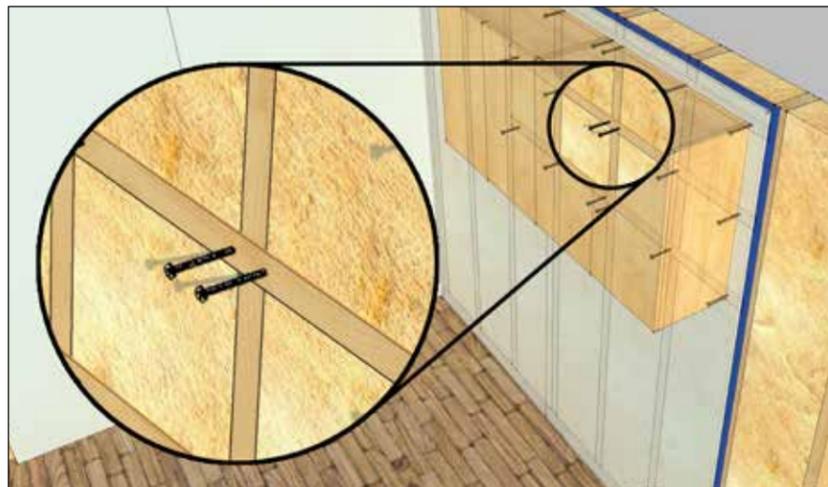


Fig. 9 Fixing kitchen units through Spacetherm Multi

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SPACETHERM + 6mm MgO BOARD

CUST

QTY

LOT NO



BEWARE
 Packs/Boards exceeds 15Kg

Products **MUST NOT** be stacked
 Products must be kept dry **AT ALL TIMES**



1 BEFORE YOU START

- Ensure safe access and egress to the work area.
- Restrict access – control the number of people entering the work area.
- Close all unnecessary doors and seal if possible.
- Plan how you are going to carry out the work before you begin.
- Ensure substrates are level and suitable for fixing, and repair as necessary.
- Remove and relocate sockets and switches as necessary.

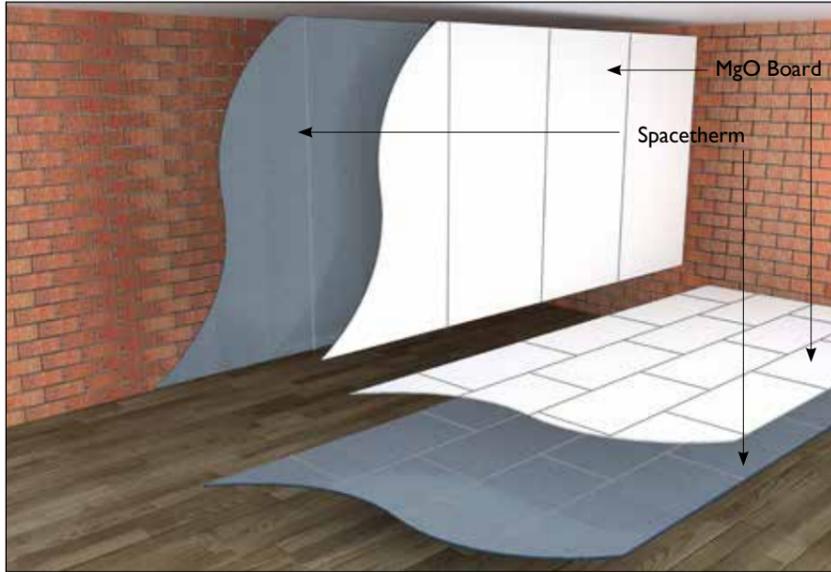


Fig. 1 Spacetherm Multi application

2 CUTTING BOARDS

Where possible it is recommended that the panels are cut outside. If it is not possible to cut the panels outside then care should be taken to provide adequate ventilation to the internal cutting area.

Mechanical cutting is best done with a jigsaw or circular saw, whichever is most appropriate for the type of cut. Before cutting, ensure the board is adequately supported, and cuts should always be made from the internal face of the board (e.g. MgO side)



Fig. 2 Cutting Spacetherm Multi boards

Cut outs required for switches or sockets, if required, can be made by carefully measuring the location, then drilling the corners and cutting out with a jigsaw in the normal manner.

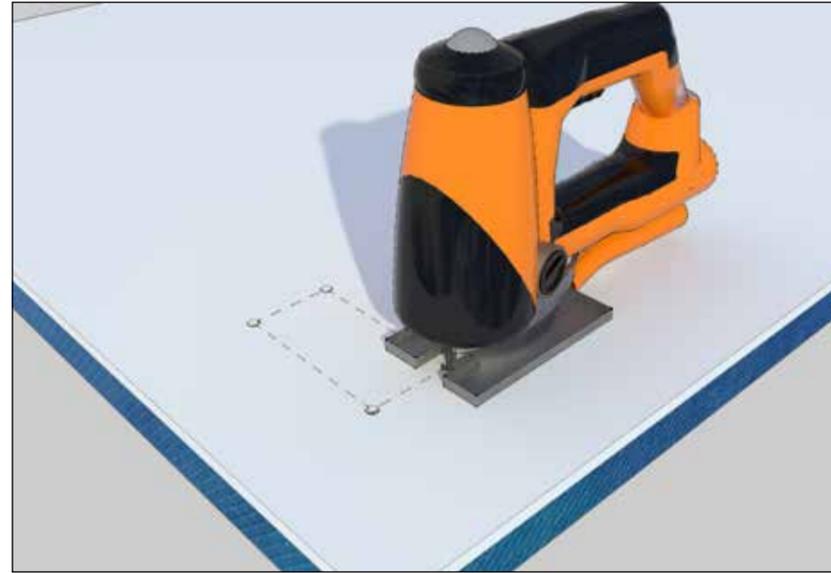


Fig. 3 Making cut-outs in Spacetherm Multi

Any indoor cutting should be carried out over a plastic sheet to contain dust, and the use of mechanical cutters with local dust extraction systems is recommended. Goggles, gloves and a dust mask should always be worn during the cutting process.

3 FIXING BOARDS

Spacetherm Multi boards are fixed to timber battens or studwork using standard drywall screws. Timber battens should be secured to the substrate using fixings appropriate to the substrate and anticipated loadings. The timber battens should be a minimum of 25mm deep and protected with a DPC if required. Battens should be spaced at 400mm centres maximum and properly located to support all board joints and edges.

Spacetherm Multi boards should be secured to the timber battens or studwork using drywall screws equivalent to the thickness of the Spacetherm Multi + 25mm, at no greater than 300mm centres, and at all edges and joints.

It is recommended that installers are familiar with the detailed guidance given in BS8212, and all work is carried out in accordance with this code of practice.



Fig. 4 Fixing Spacetherm Multi to timber straps

Fixings assessed with Spacetherm Multi are recommended to be Ejot TKE 4.8 x 60 or Ejot JT3-ST-2-6.0 x 60 for fixing into timber battens. Due to the nature of the MgO board this should be countersunk prior to fixing to ensure a flush finish.

Fixing centres should be assessed by the project/structural engineer to ensure that adequate fixings are used to resist any imposed or dead loads, wind loads etc that may be exerted on the insulated panels.

Other fixings are available and may be suitable. Consideration should be made to their fire resistance and advice sought from the fixing manufacturer/suppliers.

4 INTERNAL / EXTERNAL ANGLES

Spacetherm Multi boards at corners should be installed in such a way that the insulation layer overlaps to prevent a cold bridge at the junction.

To achieve this, in an external angle, the main wall insulation board should extend beyond the edge of the reveal by a distance equal to the insulation thickness of the panel. The edge of the insulation layer can then be trimmed at a distance equivalent to the main wall insulation thickness from the edge, allowing the two boards to intersect.

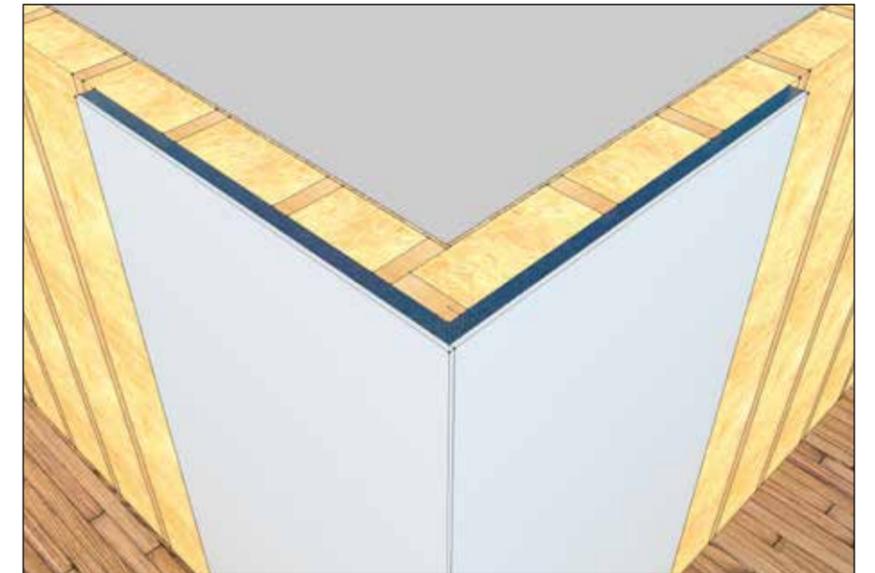


Fig. 5 External Angle Joint in Spacetherm Multi

Call our Technical Department

The A. Proctor Group has a dedicated Technical Department which can assist with installation details, view drawings for approval and give specialist advice on the correct use of the A. Proctor Group products.

For Technical Advice on installation details and product applications contact the A. Proctor Techline:

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