

THERMAL LAMINATE BOARD

A combination of gypsum based boards, factory bonded to PIR Insulation. Bonding to other types of insulants available on request.

Thermal Laminate Board is a thermal insulation and dry-lining solution combined in to a single board. The board is designed for both new build and refurbishment projects requiring a thermal upgrade.

Suitable for a variety of locations including application against masonry wall substrates or to the underside of rafters within a room in a roof application. The board may be installed directly against masonry substrates or, where necessary, a suitable support system may be required to install the board such as timber battens or a metal dry-lining solution.

You can fix the Thermal Laminate Boards by mechanical fixings or using drywall adhesive otherwise known as Dot n Dab. Suitable wallplugs should be used when applying the board with drywall adhesive.

BENEFITS



Designed for new build and refurbishment projects requiring a thermal upgrade.



Apply directly to masonry substrates, metal dry-lining systems or timber battens.



Attach to the underside of rafters within a room in a roof application.

MAYPLAS THERMAL LAMINATE RANGE

Total board thickness (mm)	Length (mm)	Width (mm)	Thermal resistance (m ² K/W)	Weight (kg)*
37.5	2400	1200	1.202	27
52.5	2400	1200	1.884	28
62.5	2400	1200	2.339	29
72.5	2400	1200	3.020	30

* Weight indicated is approximate.

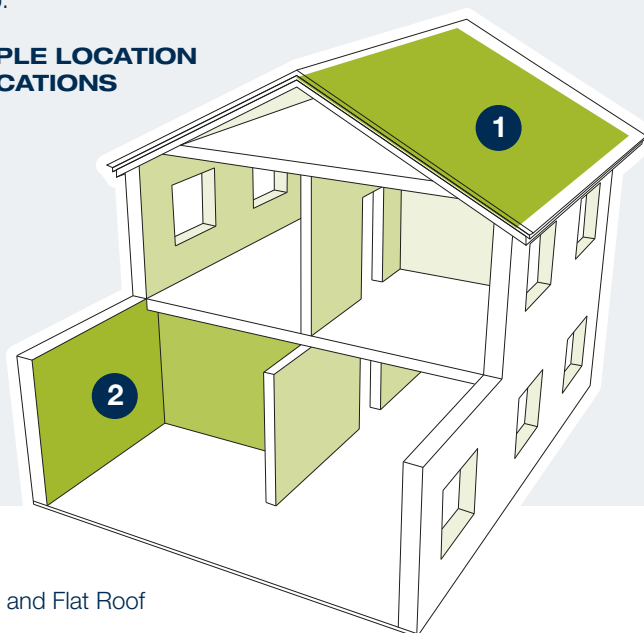


APPLICATION & PERFORMANCE

Mayplas Thermal Laminate Board is a versatile insulation and dry-lining solution which may be installed in a variety of locations within a building.

The following details are intended to provide an indication of both application and achieved performance within the noted construction build-up.

EXAMPLE LOCATION APPLICATIONS



KEY

- 1 Pitched and Flat Roof
- 2 External Walls

SOLID MASONRY WALLS

Mechanical fix onto Timber Battens

Total board thickness (mm)	Thermal resistance (m ² K/W)	U-value (W/m ² K)
62.5	2.339	0.34
72.5	2.793	0.29

The above U-Value calculation is based upon a solid 215mm masonry wall with Mayplas Thermal Laminate Board being mechanically fixed into timber battens.

SOLID MASONRY WALLS

Mechanical fix onto a suitable wall liner system

Total board thickness (mm)	Thermal resistance (m ² K/W)	U-value (W/m ² K)
62.5	2.339	0.34
72.5	2.793	0.29

The above U-Value calculation is based upon a solid 215mm masonry wall with Mayplas Thermal Laminate Board being mechanically fixed into Mayplas Wall Liner System.

MASONRY CAVITY WALL

Total board thickness (mm)	Thermal resistance (m ² K/W)	U-value (W/m ² K)
62.5	2.339	0.30
72.5	2.793	0.26

The above U-Value calculation is based upon a masonry cavity wall (103mm facing brick – 50mm clear cavity – 100mm lightweight blockwork 0.22 W/mK) with Mayplas Thermal Laminate Board being directly bonded to the internal surface with Mayplas Drywall Adhesive.

PITCHED ROOF APPLICATION

Total board thickness (mm)	Thermal resistance (m ² K/W)	U-value (W/m ² K)
37.5	1.202	0.18
52.5	1.884	0.16
62.5	2.339	0.15

The above U-Value calculation is based upon a pitched roof construction complete with 100mm PIR Insulation located between timber rafters at 600mm centres with Mayplas Thermal Laminate Board mechanically fixed to the underside of the rafters.

FLAT ROOF APPLICATION

Total board thickness (mm)	Thermal resistance (m ² K/W)	U-value (W/m ² K)
37.5	1.202	0.18
52.5	1.884	0.16
62.5	2.339	0.15

The above U-Value calculation is based upon a flat roof construction complete with 100mm PIR Insulation located between timber joists at 600mm centres with Mayplas Thermal Laminate Board mechanically fixed to the underside of the joists.

Where U-Value performance is quoted this is offered as guidance only, please contact your local Mayplas stockist should project specific U-Value calculations be required.

For further information please contact our technical sales team on:

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