

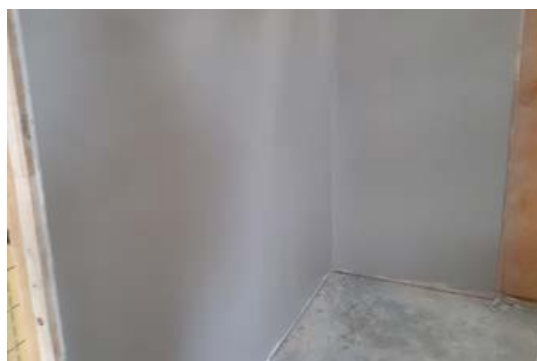


INLINER BOARD

PRODUCT DATA SHEET

InLiner A and **InLiner F** are pitched roof insulation boards made from laminated high density mineral wool – assuring excellent thermal, fire, acoustic and mechanical insulation – finished with a plasterboard lining.





BENEFITS AND FEATURES

- ✓ **High Thermal Performance Insulation**
W/mK 0.032
- ✓ **Excellent Acoustic Performance** helps to substantially reduce rain, wind and traffic noise to provide increased levels of acoustic comfort within a home
- ✓ **Resistance To Fire** tested in accordance with EN 1365: Part 2 for 30 minutes resistance to fire in a ceiling application
- ✓ **Reaction To Fire** B-s1-d0
- ✓ **Quick & Easy To Install** a laminated mineral wool board to reduce installation time on site and allow for installation of both mineral wool and plasterboard at the same time
- ✓ **Fully Compatible** with the ISOVER Vario system. Please note that where used as a secondary insulation, the primary insulation between the frame must have at least double the thermal resistance of the InLiner based on the one third rule
- ✓ **Vapour Permeable Breathable Insulation** improves energy performance and reduces heating costs, while allowing the fabric of the building to breathe when a suitable vapour control layer is in place

STANDARDS AND CERTIFICATION

- ✓ **Quality**
We hold a Quality Management Standard EN ISO 9001: 2008 for manufacturing
- ✓ **CE**
All products are manufactured in accordance with the CE marking requirements under the Construction Products Regulations
- ✓ **Product Standards**
All our products are manufactured in accordance with EN 13950: 2014
- ✓ **Environment**
ISOVER is an ISO 14001:2015 (Environmental Management System) accredited manufacturing facility. This accreditation ensures that all products are manufactured to the stringent standards set out by this management system. EN ISO 13162 EMS 551706 003 BS EN ISO 9001: 2015

Thermal Resistance
1.61 m²K/W





ISOVER INLINER A

FOR NON-FIRE RATED PITCHED ROOFS

Product	Thickness (mm)	Width (mm)	Length (mm)	Thermal Resistance	Board Area (m ²)	Boards per Pallet
InLiner A	62.5	1200	2400	1.61 m ² K/W	2.88	15

Product	Diameter	Length	Description
InLiner Spacing Screw	3.9mm	55mm	Fine Thread Dry Lining Screw
Dry Lining Screw	4.9mm	90mm	Coarse Thread Dry Lining Screw

INLINER A – THERMAL PERFORMANCE

These thermal values are indicative based on a 44mm rafter width, where the rafters have been fully filled. For specific calculations or calculations not based on fully filling the rafters please contact our Technical Team on NI 0845 3990159 or ROI 1800 744480.

Board Type	Thickness	Airtightness Layer	Rafter Depth	Insulation in Rafters/Joists	Insulation below Rafters	U-Value	
						600mm c/c	400mm c/c
InLiner A	62.5mm	KM Duplex & Tapes	175mm	Metac 031 180mm	InLiner Laminate	0.15	0.16
InLiner A	62.5mm	KM Duplex & Tapes	200mm	Metac 034 200mm	InLiner Laminate	0.15	0.16
InLiner A	62.5mm	KM Duplex & Tapes	225mm	Metac 034 220mm	InLiner Laminate	0.13	0.14



ISOVER INLINER F

FOR FIRE RATED PITCHED ROOFS

Product	Thickness (mm)	Width (mm)	Length (mm)	Thermal Resistance	Board Area (m ²)	Boards per Pallet
InLiner F	62.5	1200	2400	1.61 m ² K/W	2.88	15

Product	Diameter	Length	Description
InLiner Spacing Screw	3.9mm	55mm	Fine Thread Dry Lining Screw
Dry Lining Screw	4.9mm	90mm	Coarse Thread Dry Lining Screw

INLINER F – THERMAL PERFORMANCE

These thermal values are indicative based on a 44mm rafter width, where the rafters have been fully filled. For specific calculations or calculations not based on fully filling the rafters please contact our Technical Team on NI 0845 3990159 or ROI 1800 744480.

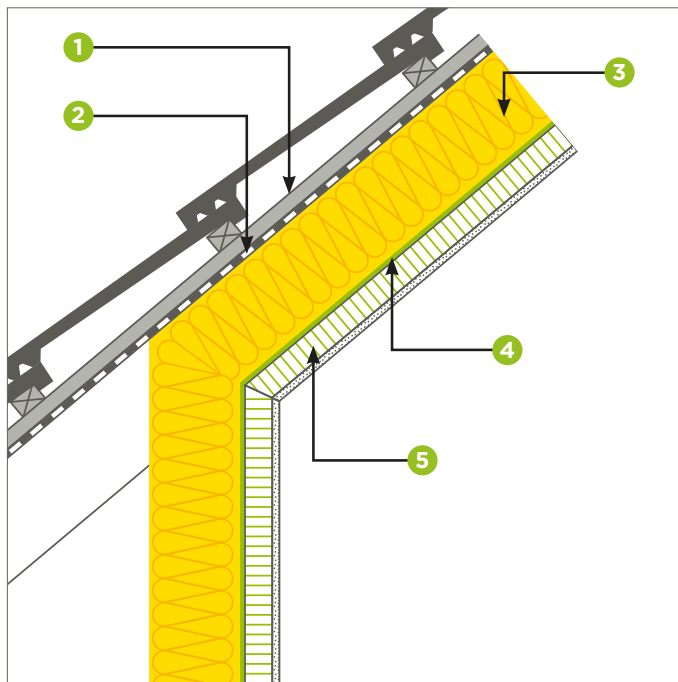
Board Type	Thickness	Airtightness Layer	Rafter Depth	Insulation in Rafters/Joists	Insulation below Rafters	U-Value	
						600mm c/c	400mm c/c
InLiner F	62.5mm	KM Duplex & Tapes	175mm	Metac 031 180mm	InLiner Laminate	0.15	0.16
InLiner F	62.5mm	KM Duplex & Tapes	200mm	Metac 034 200mm	InLiner Laminate	0.15	0.16
InLiner F	62.5mm	KM Duplex & Tapes	225mm	Metac 034 220mm	InLiner Laminate	0.13	0.14

Taping and jointing required with a paper joint tape as part of this build up. No noggins in the field of the structure.

InLiner F is suitable as a 1 board layer solution for pitched roofs in the field of structure where 30 mins fire resistance is a requirement, including 2 or 3 storey residential dwellings with loaded trussed roofs, per TGD B 2017 and May 2020 Timber Frame Circular from the Department of Building Standards.

INSTALLATION DETAIL - BEST PRACTICE

- 1 Counterbattens** typically recommended for roof drainage.
- 2 Low Resistance roofing underlay** (<0.25 MN s/g) under vapour permeable finish (i.e. natural slates or concrete tiles) per BS 5250.
- 3 ISOVER METAC** between joists.
- 4 VARIO MEMBRANE** applied to studs/rafters.
- 5 ISOVER INLINER A OR INLINER F** with InLiner Spacing Screws, mechanically fixed to face/underside of timbers (framing at 400mm or 600mm centres) with 90mm dry lining screws at 200mm centres.



NOTES:

Access hatch to unheated eaves void must be sealed, vapour tight and insulated to match knee wall. Alternatively continue insulation and VARIO down pitch roof as best practice for more safe and thermally efficient installation per BS 5250 and BS 9250. Carefully install VCL at head of knee wall to maintain continuity.

InLiner F has been tested with 36mm rafters at 400 and 600 centres in accordance with EN 1365: Part 2 for Resistance to Fire for 30 minutes in a pitched roof application.

SYSTEM INSTALLATION DETAIL CHECKLIST:

- Ensure continuity of insulation throughout junction.
- Ensure continuity of ISOVER VARIO Airtightness and Vapour Control Layer (AVCL) to achieve a 'well-sealed' ceiling per BS 5250.
- ISOVER VARIO. Perimeter and all joints in AVCL to be taped and sealed.
- Seal all penetrations through AVCL using ISOVER VARIO KB1/Multi-tape or Double-fit mastic.
- Ensure that laminate board tightly abuts the underside of the ceiling.
- Ensure thermal resistance of laminate is less than half of that provided between the rafters, i.e. no more than $\frac{1}{3}^{\text{rd}}$ of the resistance of the total insulation.
- Chamfer the pitch to knee wall junction so that the angle of the pitch is evenly split by both boards.

Got a question?
Call our Technical Team
NI 0845 3990159
ROI 1800 744480


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