



Warmline PLY

PIR Bonded to PLY

The Warmline insulating laminates are designed as a simple effective way to improve the thermal efficiency in both walls and roof applications. They are fully applicable with Part L of the building regulations.



U Value
Insulation and
Drywall Products



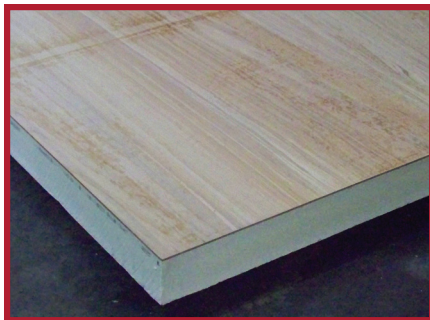
Polyisocyanurate Foam Bonded to PLY Benefits

- All thicknesses readily available
- Simple solution to upgrading flat roofs
- Quick and easy to install
- Can be used for both newbuild and refurb
- A simple way to meet building regulations
- Cost effective return

Technical Specifications

Thickness (mm)*	Weight Per Board with 6mm Plywood (kg)	m2 per board	R Value (m2K/W)	Typical U Values (W/m2K)
96	20.2	2.88	4.15	0.21
106	21.1	2.88	4.6	0.19
116	22	2.88	5.05	0.17
126	22.9	2.88	5.5	0.16
136	23.8	2.88	5.95	0.15
146	24.7	2.88	6.4	0.14
156	25.5	2.88	6.85	0.13

* Thickness includes 6mm Plywood



TYPICAL FIXING INSTRUCTIONS

- Roof area/deck should be clean and dry before installation of Warline Ply boards.
- Roof should be constructed/laid to fall to all rainwater outlets. When installing Warline PLY over an existing roof, the condition of the existing waterproofing system must be assessed to ensure it is in good condition and water tight.
- If the waterproofing system is deemed not water tight, a Vapour Control Layer (VCL) should be installed before installing the insulation boards.
- Boards should be fixed to joists set at a maximum of 600mm centre.
- 50 x 50mm minimum timber noggins should be used to support all edges of boards which are not fully supported by a joist, or where they have been cut to fit openings etc.
- A vapour control layer can be achieved by applying a continuous bead of mastic (i.e. neutral curing silicone sealant) to the upper surface of all supporting timber (joists and noggins).
- Lay the boards plywood side up, lightly butted and all edges must be supported by a minimum of 20mm bearing onto the face of the supporting timber.
- Long edges of the board should run over the centre of the joist.
- Boards should be laid onto the mastic, and fixed with screws at 300mm centres down the line of each joist and / or noggin.
- The screws should be long enough to allow a minimum 35mm penetration of the supporting timber, and be positioned not less than 10mm from the edge of the board, or 50mm from the corner. Screw heads should finish flush with the plywood surface.
- Headed helical nails can also be used, follow manufacturer' installation guidelines.
- Where two boards are fixed to the same joist or noggin, the fixing centres should be staggered.
- Follow manufacturer' installation guidelines on the waterproofing membrane.
- A minimum 25mm upstand of insulation board (compatible with waterproofing membrane) should be installed around the roof perimeter



Insulation Manufacturers & Distributors

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