

Industrial and commercial solutions

Existing factories, processing plants, commercial outlets and warehouses may need additional thermal insulation to provide comfort for staff and customers, and protect heat-sensitive products. In addition, many older buildings were built without thermal insulation, or may have been repurposed, and now require a higher energy efficiency specification. Also, some buildings in the past employed asbestos roof sheets, the risks of which are now better understood, and need to be protected against.

IsoBoard has ready solutions to retrofit existing buildings in a cost effective manner, using different thicknesses of thermal insulation board to suit the building's purpose.

Fix beneath existing roof sheets with adhesive

Short pieces of IsoBoard, up to 2400mm in length, are glued directly to the roof sheet, usually between purlins or rafters.



1. The roof sheet is cleaned to be free of dust.



2. Appropriate adhesive is placed in blobs along the roof.



3. The boards are pushed firmly into the adhesive, interlocking with their tongue and groove edges.



4. Trimmed pieces can be fixed along the edges as required.



5. ...and Voila!! Better than new!



Benefits of using IsoBoard:

- ✓ Lightweight, so easy to handle and prepare on site
- ✓ Water resistant
- ✓ Excellent thermal insulator, in summer and winter
- ✓ Fire safe
- ✓ Paintable
- ✓ Durable, will last as long as your building
- ✓ Thicknesses 25mm to 80mm

Retro-Fit ceiling for steel and timber frame buildings

Fit brandering to run between portal frames or rafters, to install IsoBoard as ceiling following the existing roof line. The usual ceiling installation processes are followed:



1. Brandering spaced at 600mm intervals from ridge to eave, IsoBoard running horizontally from portal frame to portal frame.
2. Secured with Isoglue adhesive and ceiling clips. It is very important that brandering be installed on both edges adjacent to each portal frame, to positively fix the boards on each end.

Other Retro-Fit industrial solutions

- Fixing IsoBoard under concrete soffit (see *opposite pics*).
- Fixing IsoBoard beneath suspended ceiling grid, to reduce volume which must be temperature controlled.
- Lift and refit existing roof sheets, while installing IsoBoard over purlin.
- Clad internal walls with IsoBoard, to reduce heat flow in or outwards.

