ISOBOARD®

Premier Thermal Insulation for • Roofs • Ceilings • Floors • Walls

Under Soffit Ceilings

Where construction, design and/or cost implications prohibit the installation of an inverted roof insulation system, the requirement for insulation is met by fixing IsoBoard to the under soffit surface of the slab as a ceiling.

Typical uses for IsoBoard in this application

Used in Residential and Commercial applications to provide insulation where an inverted roof insulation system may not be appropriate.

Site handling instructions

1. Store boards flat within original packaging until required.
2. Boards are to be protected from adverse weather conditions and direct sunlight for the storage period.
3. Handle and install with care to prevent damage to board edges and exposed surfaces.
4. Wipe boards with cloth and softened water solution to clean as necessary.
5. Please contact IsoBoard for any queries with respect to the above.

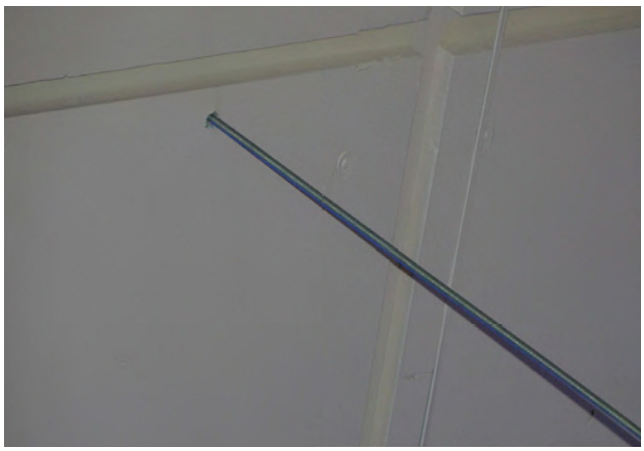
Recommended installation

1. Place board and drill fixing holes at 300mm centre spacings into soffit. Fix IsoBoard using plastic washers and plugs (Hilti or equivalent).
2. In the case where the board is placed under soffit above a service duct, IsoBoard is installed in panels not exceeding 1,5 square metres in area, with a minimum 25 mm spacing between adjacent panels (see fire report).
3. Where applicable, suspended ceiling fixings can be effected through the IsoBoard.
4. If an aesthetically acceptable finish is required, provide a level surface to attach the board to, such as brandering. Edge bevelling is recommended.
5. The full text of the Below Soffit In Service Duct Fire Test as conducted by the CSIR Building Technology unit with respect to this installation method, report no. BF 502/089-5600-5664, is available on the IsoBoard website.
6. IsoBoard is an extrusion and flow lines can be visible. It is recommended to paint two coats of good quality matt acrylic paint in public areas.

Suggested bill of quantity specification

IsoBoard high density 32-36kg/m3 rigid extruded polystyrene 100% closed cell insulation board of ___ mm thickness and 600mm width, fixed using washers and plastic plugs at 300mm centres through pre-drilled holes to underside of smooth concrete soffit (fixed to levelling brandering if required).

Exposed Under Soffit ceiling insulation below parking deck

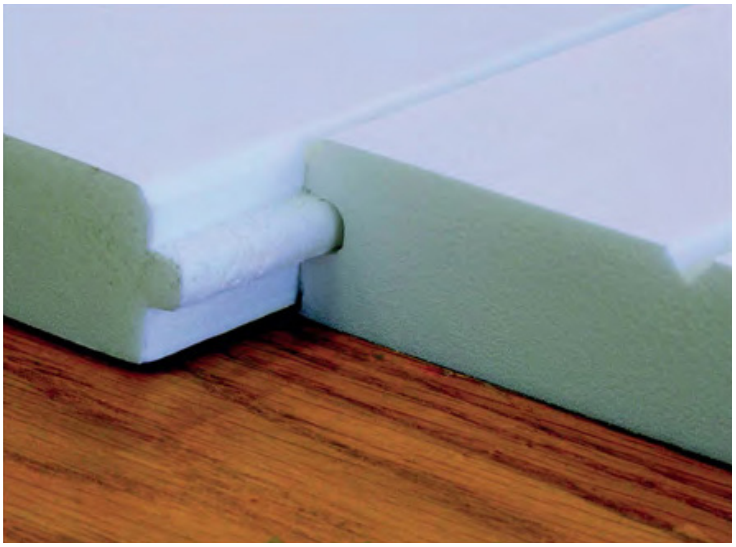


Under Soffit in service duct

Under Soffit with ancillary

Ordering information

- Use boards 1.2 m or 3 m long profiled all round to allow for alignment and tolerances expected in the product.
- IsoBoard is easily cut to length on site using a sharp blade or hack-saw.
- Where IsoBoard is to be installed under soffit above a service duct, the boards should be ordered in maximum 1200 mm lengths, with two installed adjacent to one another to form the required panel size. Allow 25mm gap between panels.



Under Soffit in service duct

Under Soffit in exposed parking insulation

D&D

ROOF INSULATIONS

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