

Quinn Therm QF PIR insulation

Quinn Therm QF floorboard is one of the range of PIR (polyisocyanurate) foam boards we manufacture for the insulation of floors, walls and roofs.

Benefits of Quinn Therm QF floorboards

- QF has a high compressive strength to withstand the dead and imposed loads transmitted through the floor. It is suitable for domestic and most commercial applications.
- QF is suitable for new build and refurbishment projects.
- QF optimises the performance of any underfloor heating.
- QF is an ideal solution for upgrading the thermal performance of existing floors.
- QF can reduce heat loss by air infiltration through a suspended timber floor.
- QF has a low thermal conductivity, minimising the thickness required to achieve the design U-value.

Applications

A list of typical applications is shown on the right.

Composition

Quinn Therm QF consists of a core of PIR (polyisocyanurate) foam with bonded foil facings. The gas filled cells give QF its high thermal performance and strength while its foil facings maximises performance in individual applications.

Thermal performance

Quinn Therm QF has a thermal conductivity of 0.022W/mK, making it one of the most effective rigid board insulations available.

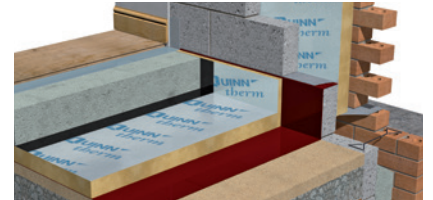
Environmental

Quinn Therm has an ozone depletion potential (ODP) of zero and a Global Warming Potential (GWP) of less than 5, certified to ISO 14001 - Environmental Management Systems.

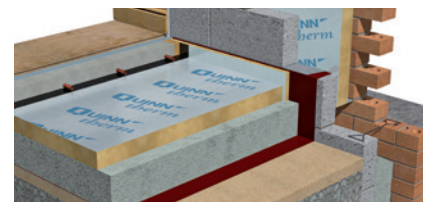
Quinn Therm QF achieved an A+ rating when compared to the BRE Green Guide.

CE Marking

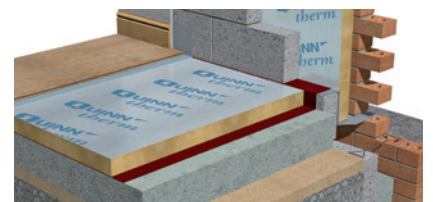
Construction Products Regulation (CPR) requires mandatory CE marking for all thermal insulation products. Quinn Therm QF is CE marked to harmonised standard EN 13165. The Declaration of Performance, O2(a) and O2(b) /O13⁺, is available on our website (see page 2 for link).



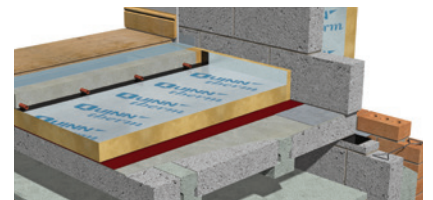
Solid ground floor:
QF below groundbearing slab



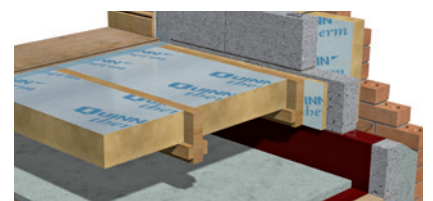
Solid ground floor:
QF above groundbearing slab



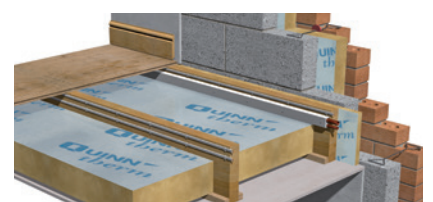
Solid ground floor:
QF under timber floating floor



Suspended beam and block floor

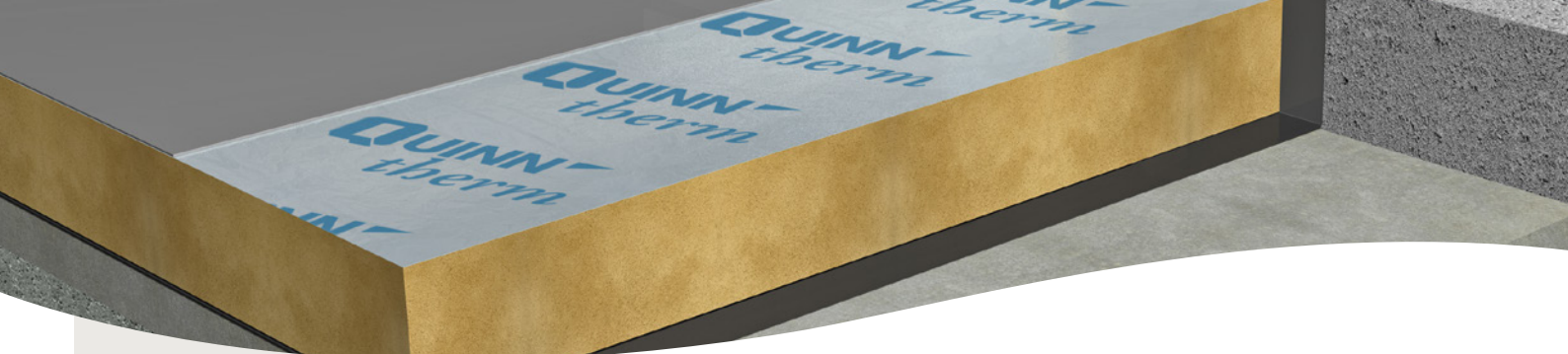


Suspended timber ground floor



Suspended timber floor other than ground floor





Delivery and storage

Quinn Therm boards are shrink-wrapped in clear polyethylene for delivery to site. Each pack is labelled with the product description, product characteristics, manufacturer's name and brand name, quantity per pack, and any identification marks.

Technical Support

Quinn Therm Ltd provides a comprehensive technical support service for designers and contractors. Quinn Therm Ltd can provide:

- copies of Agrément and test certificates;
- U-value calculations;
- interstitial risk calculations;
- design advice;
- guidance on the most effective ways to meet current Building Regulations and Building Standards.

To obtain technical support:

- Call: +44 (0) 28 6774 8866
- Email: technical@quinn-group.com



Cert ENP 481



Bord Agrément na hÍreann
Irish Agrément Board
Certificate 05/0223
Certificate 07/0273



Certificate 07/4444



Physical & performance characteristics

Surface:	Composite foil facings
Edge:	Butt
Thicknesses:	20mm - 150mm
Length x width:	2400mm x 1200mm
Thermal conductivity	0.022W/mK
Core water vapour resistivity:	≅300MNs/gm
Compressive strength:	>150kPa

Dimensional stability / Durability

When tested to EN 1604 Quinn Therm achieves level DS(TH)4 to EN 13165.

Quinn Therm will perform for the service life of the building.

Fire performance

Thickness	BS 476-7	BS EN 13501-1
20 - 55mm	Class 1	Euroclass F
60 - 150mm	Class 1	Euroclass E

Biological / Chemical

Quinn Therm does not rot and does not support mould or fungus. Quinn Therm is chemically inert, and poses no threat to anyone using it.

Design and Installation

For design and installation information plus required thicknesses of Quinn Therm QF to achieve specific U-values in all flooring applications, consult our Product & Installation Guide, available from Quinn Therm or via our website.

For further information:

Quinn Therm Ltd, Scotchtown, Ballyconnell, Co. Cavan, Ireland
t: (UK): 0800 0322 122 • t: (ROI): 1800 322 122 • f: +44 (0) 28 6774 1190
e: info@quinn-therm.com • www.quinn-therm.com

Quinn Building Products

Derrylin, Co. Fermanagh, Northern Ireland BT92 9AU

t: +44 (0) 28 6774 8866 • f: +44 (0) 28 6774 8800

• www.quinn-buildingproducts.com • e: info@quinn-buildingproducts.com



*DoP: www.quinn-buildingproducts.com/downloads/ce-markings/CE-QUINN-therm-14.pdf

Every effort has been taken in the preparation of this data sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to Quinn Therm.