

Bauder Thermotech Foil Insulation

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Product description	PIR insulation board with a composite foil facing on both sides, available in a uniform thickness or tapered to falls.
Application fields	This product is designed for use within mechanically fixed single ply waterproofing systems. The Product is FM approved for use within Bauder Thermofol and Thermoplan FM assemblies.
Facing	top: Low emissivity composite foil bottom: Low emissivity composite foil
Board edge	Square (not rebated)
Board size	Flatboard 25 to 150mm Tapered varies



Characteristic	Test method	Unit	Value
External dimension	EN 822	mm	Flatboard 2400 length x 1200 width Tapered 1200 length x 1200 width
Thickness	EN 823	mm	Flatboard = 25 to 150 Tapered varies
Weight		Kg/m ³	32
Reaction to fire	EN 13501 - 1	-	F
Compressive strength (with 10% compression)	EN 826	kPa	≥150
		N/mm ²	0.15
		Kg/m ²	15,000
Thermal conductivity (λ_D) - (EU)	EN 13165	W/mK	0.022
Tapered falls available			1:60 & 1:80

Compressive strength for permanently sited loads – please contact Bauder Ltd where plant/equipment is to be sited on top of the Bauder system

Storage/ Transport	Thermal insulation has to be transported and stored protected from moisture, open flames and direct sunlight.
Product storage guidance	All insulation boards must be kept dry, on pallets and off the ground. The packaging of Bauder Insulation products should not be considered adequate for outside protection. Ideally boards should be stored inside a building. If outside storage cannot be avoided the boards should be stacked clear of the ground and covered with an opaque polythene sheet or weatherproof tarpaulin.
Packaging material	The product will be delivered on EPS skids or wooden pallets with polythene overwrap to protect the product.
Handling/PPE	All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using the product, installers should be provided with, and wear, suitable personal protective equipment.
Shelf life	When stored correctly, the product has no stated shelf life.
Disposal guidance	Rigid polyurethane foam waste can be disposed of with household waste or commercial waste similar to household waste (European waste catalogue EWC number 170604 "Insulation material").
Re-use options of product	Please refer to EPD stated below in Certification and environmental information.
Further information/ documents	Current documents such as brochures, installation guides, etc. can be found by visiting www.bauder.co.uk
Certification and environmental information	BBA Certificate No: 16/5332 Environmental Product Declaration EPD-IVP-20210001-IBE1-EN

Technical data sheet



International Standards Organisation (ISO)

ISO 9001:2015 Quality Management

Certificates EN1271 (UK) and 70499/03-15_e (Germany)

ISO 14001:2015 Environmental Management Certificates

A10552 (UK) and 70499/03-15_d (Germany)

Installation Guidance: Please refer to the Bauder Installation Guide and project specification for guidance.

- Insulation must be installed in dry conditions
- Insulation must be mechanically fixed - not to be bonded in adhesive.
- The product is easily trimmed and shaped, therefore if the substrate or abutment is uneven, it's easy to modify the insulation by cutting to fit.
- Tapered insulation must be installed in accordance with the project specific tapered scheme design.

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article; therefore, this product does not have a requirement for a Safety Data Sheet.



DoP can be found via the website



DoC can be found via the website