HANDY PRODUCT GUIDE
Insulation and much, much more...
For the tradesman and professional builder/contractor
HERE TO HELP WITH PRODUCT CHOICE

Choosing the right materials for your project can be quite a task these days, with the vast choice of product ranges available and new ones constantly being introduced.

So, SIG Insulations have done the hard work for you. We’ve put together in this guide all the important details on the top selling, most widely used, quality products offered by our trading companies – all the insulation you’ll need for your walls, roofs, lofts and floors. And not just standard thermal/fire insulation - we’ve included specialist dry lining, timber frame and acoustic products too.

These can of course be delivered – exactly when and where you want them via the fast, flexible and reliable vehicle fleets, which also include specialist offloading where required. Or you can collect from the friendly and efficient trade counters where experienced staff will be happy to handle all your enquiries.

About SIG Insulations
SIG Insulations is the UK’s market leading specialist distributor of insulation, dry lining and related products to construction and industry.

Our trading companies and their branches cover the whole country, offering you a truly local service but with unrivalled national strength.

See the back cover for SIG Insulations’ stockists.
Throughout the SIG Insulations branch network, our staff have the sound technical expertise and can advise you on Building Regulations and the best solutions available for your application, meeting legal and safety requirements.

On the back cover of this guide you’ll find your local SIG Insulations’ stockists. Give us a call, we’re here to solve your problems.

We offer more than 60,000 brand name products from leading manufacturers, including:
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## Insulation

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A premium performance PIR insulation board for use in partial-fill cavity wall applications.
- **Thermal Conductivity:** 0.022 W/mK
- **Standard Sizes:** 1200mm x 450mm (40 - 100mm thickness)

### Celotex CW3000
A PIR insulation board with low emissivity foil facings for use in partial-fill cavity wall applications.
- **Thermal Conductivity:** 0.023 W/mK
- **Standard Sizes:** 1200mm x 450mm (25 - 100mm thickness)

### Isover Cavity Wall Slab (CWS)
A wall system for use in the cavity between two masonry leaves in external walls for full-fill applications.
- **Thermal Conductivity:** 0.036 W/mK
- **Standard Sizes:** 1200mm x 455mm (50 - 150mm thickness)

### Isover RD-35
An integral component of Robust Detail masonry separating wall constructions E-WM-14 and E-WM-15, meeting the requirements of Building Regulations Part E and Section 6 without the need for site sound testing in houses and apartments.
- **Thermal Conductivity:** 0.031 W/mK
- **Standard Sizes:** 1200mm x 455mm (35mm thickness)

### Jabfill Premium
Fully interlocking cavity wall insulation system for new masonry walls.
- **Thermal Conductivity:** 0.030 W/mK
- **Panel Sizes:** 1200mm x 450mm (75 & 100mm thickness)

### Kingspan® Kooltherm® K8
A premium performance rigid Kooltherm® insulation board, for use in partial-fill masonry cavity walls.
- **Thermal Conductivity:** 0.020 - 0.023 W/mK
- **Standard Sizes:** 1200mm x 450mm (20 - 130mm thickness)

### Kingspan® Thermawall® TW50
A rigid, high performance urethane partial-fill cavity wall insulation board.
- **Thermal Conductivity:** 0.022 W/mK
- **Standard Sizes:** 1200mm x 450mm (20 - 100mm thickness)

### Knauf Insulation DriTherm Cavity Slab
Semi-rigid or rigid slabs of non-combustible, glass mineral wool for the thermal insulation of full or partial-fill masonry walls.
- **Thermal Conductivity:** 0.032-0.037 W/mK
- **Standard Sizes:** 1200mm x 455mm (50 - 100mm thickness)

### NaturePro Hemp
A completely renewable material which helps to reduce atmospheric CO₂ levels as it grows. Suitable for use in walls, roofs and ceilings.
- **Thermal Conductivity:** 0.04 W/mK
- **Standard Sizes:** 1200mm x 575mm (100mm thickness)

### NaturePro Sheep’s Wool
A completely sustainable, renewable material with natural insulating properties, releasing moisture for a cooling effect in the summer and absorbing moisture in the winter. Suitable for use in roofs, walls and floors.
- **Standard Sizes:** 1200mm x 575mm (100/150mm thickness)
Ancillaries

Cavity Closers
To reduce cold bridging when closing cavities at door and window frames, whilst accommodating movement within the building and allowing for any irregularities in the cavity.

- Cavalok
- Dacatie
- Speedline Cavity Closer

Cladding
High performance, rainscreen cladding with the additional benefit of a full fabrication service.

Damp Proof Course
Designed to prevent the passage of moisture in brick and block work from external sources. The product is suitable for use in vertical and horizontal applications throughout domestic constructions.

External Renders
A durable and visually acceptable skin for an unattractive construction. Renders can reduce rain penetration and maintain the thermal insulation of walls.

- Kilwaugther
- Weber Monocouche

James Hardie® HardieBacker™ 500 Cement Board
A water-resistant tile backer board that provides a durable and stable substrate for the easy installation of tiles in a wide variety of applications. It is water-resistant and offers an excellent tile bonding surface.

James Hardie® HardiePlank™ Siding
A colourful and versatile board that offers all the texture and natural beauty of timber while delivering the maintenance-free durability of new-generation ECC fibre cement.

James Hardie® HardieTrim™ XLD® Siding
A colourful, versatile cladding product that exhibits high levels of durability and resistance to damage.

Knauf Drywall Aquapanel
A glass fibre reinforced cement board for use as a tile backer in wet and humid areas.

Mayplas TCB
An insulated damp proof course between the outer brick work and inner closer brickwork around doors and window frames and in masonry cavity walls.

Membranes
Provide protection for timber against wind-driven rain, snow and dust during construction, whilst allowing the timber to breath.

- Dupont Tyvek Reflex
- TF200

Speedline Protection Board
A versatile corrugated polypropylene board providing multi-surface impact protection during site works. The product is designed to protect floors, walls, partitions, doors, furniture and formwork.

Rendaboard®
An external building board for use with approved, direct rendering applications.

Versaliner JPM
A high performance, stable 10mm fibreboard for tile backing applications.

Wall Ties/Retaining Clips
To tie the outer and inner cavity wall layers together to prevent the risk of the outer wall layer collapsing:

- Ancon
- Manthorpe
- Timloc
- Vista

Wediboard
A light waterproof underlayment for use in both indoor and outdoor applications. The thermal insulator and vapour barrier is ideal for use in showers.

See Dry Lining and Timber Frame sections for further products.
NOT JUST ANOTHER INSULATION ROLL...

...BUT A SIMPLE, COST EFFECTIVE NEW WAY OF BUILDING PARTY WALLS

NEW Robust Detail E-WM-17 for masonry separating wall construction
Featuring Isover RD Party Wall Roll

WHICH WILL ...

... ALLOW QUICK AND EASY INSTALLATION

... CUT COSTS BY REMOVING THE NEED FOR SAND/CEMENT RENDER

... CUT COSTS BY ELIMINATING THE NEED FOR PRE-COMPLETION TESTING

... REDUCE WASTE BY ELIMINATING CUTTING AND JOINTING

For a full installation guide on the NEW Robust Detail E-WM-17, incorporating Isover RD Party Wall Roll

Isover
The World’s Leading Acoustic and Thermal Insulation

A brand of Saint-Gobain
Celotex is the only PIR insulation that achieves a BRE Green Guide rating of A+.

Celotex: Offering a top class solution.

Celotex has achieved an A+ rating in the 2008 Green Guide and offers the best Ecopoint score of any PIR insulation through its BRE Approved Environmental Profile. Being the only provider of PIR insulation to have achieved these standards Celotex products can uniquely help optimise sustainable building solutions.

Visit celotex.co.uk/aplus for more information

We know insulation inside and out
Insulation

**Actis Triso Super 10**
A thin thermo-reflective insulation ideal for roofs and attic conversions.
- **Thermal Conductivity:** 0.019 W/mK
- **Standard Sizes:** 1250/625mm x 1600mm (30mm thickness)

**Gen-X®**
A multi-layer foil insulation for pitched roof applications. Complete thermal insulant, air leakage and vapour barrier in one. BBA Approved.
- **Standard Sizes:** 12500mm x 1200mm (33mm thickness)

**Greenloft**
A thermal insulation made from recycled plastic bottles for use between the ceiling joists in a loft.
- **Thermal Conductivity:** 0.040 W/mK
- **Standard Sizes:** 8000mm x 375mm (100mm thickness)

**Isover Spacesaver, Spacesaver Plus and General Purpose Roll**
Glass mineral wool insulation rolls suitable for thermal and acoustic insulation in domestic-type pitched roofs. Isover Spacesaver and Spacesaver Plus are perforated along the roll whereas Isover General Purpose Roll is supplied in ready-cut widths.
- **Thermal Conductivity:**
  - Isover Spacesaver/General Purpose Roll 0.043 W/mK
  - Isover Spacesaver Plus 0.040 W/mK
- **Standard Sizes:**
  - 3880mm - 9170mm
  - 2 x 580mm (2 rolls)
  - 3 x 380mm (3 rolls)
  - (100 - 200mm thickness)

**Jablite Insulated Loft Board**
Provides insulation and a storage platform in one board.
- **Thermal Conductivity:**
  - Insulation: 0.030 W/mK
  - Chipboard: 0.13 W/mK
- **Standard Sizes:** 1220mm x 325mm x 123mm

**Knauf Insulation Loft Roll 270mm**
A flexible, low density glass mineral wool quilt which is lightweight, resilient and non-combustible. The ultra thick product eliminates the need for cross-layering.
- **Thermal Conductivity:** 0.044 W/mK
- **Standard Sizes:**
  - 600mm x 2 rolls
  - 400mm x 3 rolls
  - 3.85m (270mm thickness)

**Knauf Insulation Loft Roll 40**
A flexible glass mineral wool quilt which is lightweight, flexible, resilient and non-combustible. The product is primarily used to thermally insulate floors and partitions, or wherever lightweight mineral wool is required. Supplied as either combi-cut or ready-cut.
- **Thermal Conductivity:** 0.040 W/mK
- **Standard Sizes:**
  - 570mm x 2 rolls
  - 380mm x 3 rolls
  - 4.85m - 11.25m (100 - 200mm thickness)

**Knauf Insulation Loft Roll 44**
Thermal and acoustic insulation for lightweight structures, primarily used for the thermal insulation of pitched roofs at ceiling level. Supplied as either combi-cut or ready-cut.
- **Thermal Conductivity:** 0.040 W/mK
- **Standard Sizes:**
  - 570mm x 2 rolls
  - 380mm x 3 rolls
  - 5.20m - 12.18m (100 - 200mm thickness)

**Micafil Vermiculite**
A naturally occurring mineral expanded at a high temperature to produce aerated particles. When mixed with cement the product forms a lightweight concrete for insulating roof and floor screeds and for thermal insulation behind back-boilers and around pipe work.
- **Standard Sizes:** 0.1 Cubic Metre Bags
Ancillaries

Chipboard
Chipboard is created by gluing together wood particles with an adhesive, under heat and pressure. This creates a rigid board with a relatively smooth surface. Suitable for use in general building work and joinery applications.
- Loft Packs
- Speedline Chipboard P5
- Speedline Safedeck HD

Finnforest Plywood
An uncoated softwood plywood of thick veneer with a longitudinal grain, suitable for both interior and exterior applications.

Fixings
A variety of fixings are available for every application.
- Speedline

Loft Ladders & Access Traps
Provide the safest and most convenient solution to loft access. With a wide choice of models available, made from aluminium or timber, you can find the right loft ladder to suit your needs.
- Abri
- Glidevale Loft Access Traps
- Manthorpe loft Access Traps

Rockwool Roll
Medium density multi-use stonewool insulation for the thermal insulation of roof spaces in domestic, commercial and industrial buildings.
- Thermal Conductivity: 0.044 W/mK
- Standard Sizes: 2800mm - 3500mm x 1200mm (80 - 170mm thickness)

NaturePro Hemp
A completely renewable material which helps to reduce atmospheric CO₂ levels as it grows.
The product is suitable for use in walls, roofs and ceilings.
- Thermal Conductivity: 0.04 W/mK
- Standard Sizes: 1200mm x 575mm (100mm thickness)

NaturePro Sheep’s Wool
A completely sustainable, renewable material with natural insulating properties, releasing moisture for a cooling effect in the summer and absorbing moisture in the winter. The product is suitable for use in roofs, walls and floors.
- Standard Sizes: 1200mm x 575mm (100/150mm thickness)

NaturePro Wood Fibre
Sourced from sustainable forestry these wood fibre products have the capacity to absorb and release moisture to prevent overheating in summer and provide a safeguard against condensation. The products are suitable for use in new build and refurbishment roofs and lofts and timber frame external walls.
- Standard Sizes: Available in various sized batts & boards.

Pipe Insulation
Thermal insulation of domestic heating and plumbing pipe work for energy conservation and frost protection.
- Armacell
- Kingspan Tarec
- NMC
- Rockwool

Velux Windows
Velux provide an unequalled variety of different shapes and sizes of windows.

Versadorm®
A range of standard or bespoke GRP complete dormers.

See ‘Room-in-a-Roof’ section for further products.
shouldn’t all insulation have the feel good factor?

ECOSE® TECHNOLOGY

Knauf Insulation glass and rock mineral wool made with ECOSE® Technology doesn’t look or feel like any insulation you’ve ever experienced. It sets a new benchmark in sustainability and produces a ‘supersoft’ insulation the likes of which have never been seen or felt before. Made with recycled glass bottles and using natural ingredients with no dyes or added formaldehyde, it is creating eco-friendly insulation that is naturally brown and naturally better for the environment. Handling is improved, as mineral wool with ECOSE® Technology is so much softer than any others, and with our new transparent packaging, you can really see the difference as well as feel it.

The world of insulation has changed, and Knauf Insulation is adding the feel good factor.

For more information please visit www.feelgoodinsulation.com

Ref: ETA115909
Greenloft is a thermal insulation made from recycled plastic bottles for use between the ceiling joists in a loft. It is a high performance, cost effective and sustainable thermal insulation which provides a clean alternative to traditional mineral wool rolls.

Just installing 200mm of Greenloft in your roof will reduce the heat loss by up to 90%, providing significant savings in your annual fuel bills.

**GOOD FOR YOU**

Greenloft performs extremely well both thermally and acoustically and, unlike mineral wool insulation, it is non-irritant and there are no floating fibres that could potentially be inhaled. In addition, Greenloft is supplied in highly compressed packaging to make it easier to store and transport and also to install.

**GOOD FOR THE ENVIRONMENT**

Environmentally, Greenloft not only helps to save energy once installed, it also helps to reduce energy consumption in its manufacture because it is made from recycled materials - 90% plastic bottles.

Available exclusively from SIG Insulations Stockists
Insulation

**Actis Triso Super 10**
A thin thermo-reflective insulation ideal for roofs and attic conversions.
Thermal Conductivity: 0.019 W/mK
Standard Sizes: 1250/625mm x 1600mm (30mm thickness)

**Celotex FR4000**
A premium performance PIR insulation board used above, between and/or below rafters in pitched roofs to create a habitable space.
Thermal Conductivity: 0.022 W/mK
Standard Sizes: 1200mm x 2400mm (25 - 200mm thickness)

**Celotex GA3000, TB3000 & XR3000**
Rigid PIR insulation boards used above, between and/or below rafters in pitched roofs to create a habitable space.
Thermal Conductivity: 0.023 W/mK
Standard Sizes: 2400mm x 1200mm (12 - 200mm thickness)

**EcoTherm Pitched Roof**
A board applied over, under and/or between the rafters in slate or tiled roof constructions.
Thermal Conductivity: 0.023 W/mK
Standard Sizes: 2400mm x 1200mm (25 - 200mm thickness)

**Gen-X®**
A multi-layer foil insulation for pitched roof applications. Complete thermal insulant, air leakage and vapour barrier in one. BBA Approved.
Standard Sizes: 12,500mm x 1200mm (33mm thickness)

**Jabroof SlimFix**
Insulated structural pitched-roof system to enable a roof-in-the-roof application. BBA approved.
Thermal Conductivity: Insulation: 0.030 W/mK
Chipboard: 0.13 W/mK
Standard Sizes: 3630/7520mm x 1020mm

**Kingspan® Kooltherm® K7 Pitched Roof**
A rigid Kooltherm® insulation board for tiled or slated pitched warm roof spaces.
Thermal Conductivity: 0.020 - 0.023 W/mK
Standard Sizes: 2400mm x 1200mm (25 - 130mm thickness)

**Kingspan® Thermapitch® TP10**
A high performance rigid urethane insulation board, for use at rafter level in tiled or slated pitched warm roofs.
Thermal Conductivity: 0.022 W/mK
Standard Sizes: 2400mm x 1200mm (20 - 150mm thickness)

**Knauf Insulation Rafter Roll 32**
A roll used for the thermal insulation of warm pitched roofs where rafters are not spaced at regular centres.
Thermal Conductivity: 0.032 W/mK
Standard Sizes: 7900mm - 4000mm x 1200mm (50 - 100mm thickness)

**Knauf Insulation Room-in-Roof Roll**
A non-combustible glass mineral wool designed for insulating between the rafters of pitched roofs in new and existing buildings.
Thermal Conductivity: 0.032 - 0.037 W/mK
Standard Sizes: 2700mm - 7250mm x 1160mm (2 x 580mm) (100 - 200mm thickness)
**NaturePro Hemp**  
A completely renewable material which helps to reduce atmospheric CO₂ levels as it grows. The product is suitable for use in walls, roofs and ceilings.  
**Thermal Conductivity:** 0.04 W/mK  
**Standard Sizes:** 1200mm x 575mm (100mm thickness)

**NaturePro Sheep’s Wool**  
A completely sustainable, renewable material with natural insulating properties, releasing moisture for a cooling effect in the summer and absorbing moisture in the winter. The product is suitable for use in roofs, walls and floors.  
**Standard Sizes:** 1200mm x 575mm (100/150mm thickness)

**NaturePro Wood Fibre**  
Sourced from sustainable forestry these wood fibre products have the capacity to absorb and release moisture to prevent overheating in summer and provide a safeguard against condensation. The products are suitable for use in new build and refurbishment roofs and lofts and timber frame external walls.  
**Standard Sizes:** Available in various sized batts & boards.

**Rocksilk Flexible Slab**  
A lightweight rock mineral wool multi-purpose push fit slab for general thermal and acoustic applications.  
**Thermal Conductivity:** 0.037 W/mK  
**Standard Sizes:** 1200mm x 600mm (50 - 140mm thickness)

**Rockwool Flexi**  
A unique insulation product with a patented flexible edge along one side. The flexible edge allows the product to be tightly fitted between timber and metal frames and is designed for use in walls, partitions, floors and roofs.  
**Thermal Conductivity:** 0.038 W/mk  
**Standard Sizes:** 1200mm x 400/600mm (50 - 140mm thickness)

**Rockwool RWA45**  
High quality stonewool slabs that can be used for thermal, acoustic and fire insulation and are suitable for many applications including thermal insulation for roofs.  
**Thermal Conductivity:** 0.04 - 0.05 W/mk  
**Standard Sizes:** 1200mm x 600mm (30 - 100mm thickness)

**Xfoil™**  
A range of insulation used to thermally insulate roof space, using reflective technology as an insulant and vapour control layer in one. Independently tested.  
**Thermal Conductivity:** Variable  
**Standard Sizes:** 1000mm x 1500mm (35 - 50mm thickness)

**Ancillaries**

**Breathable Membranes**  
Provide protection for timber against wind-driven rain, snow and dust, during construction whilst allowing the timber to breath.  
- Dupont Tyvek Supro  
- Isover Vario Membrane  
- Speedline Breathable Membrane  
- TF200

**Fixings & Additional Products**  
A variety of fixings are available for every application.  
- Big Twist  
- Helifix  
- Loft Access Traps  
- Loft Ladders  
- Tapes  
- Velux Windows

**Vapour Barriers**  
Plastic or foil sheets that resist passage of moisture through wall, ceiling and floor assemblies of buildings.  
- Toughsheet  
- Visqueen

**Vents**  
Plumbing and drainage vents are pipes leading from fixtures in the interior of a building to the outdoors, usually via the roof.  
- Glidevale  
- Manthorpe
Gen-X® helps seal your roof against climatic elements such as wind and damp whilst at the same time retaining ventilation. Gen-X® is ideal for applications requiring a dual layer of insulation.

- **Confidence**
  BBA Certified, Part ‘L’ Compliant, NHBC Accepted

- **Durability**
  Life equivalent to that of the structure to which it is incorporated

- **Help Meet Your Target Emission Rate**
  Roofs incorporating Gen-X® can contribute to a building meeting its Target Emission Rate.

- **Reduce Carbon Footprint**
  Gen-X® can create a thermal airtight roof-space with minimal air leakage, that combined with the target U-Value achieved will give additional energy savings reducing your carbon emissions tremendously.

- **Complete Vapour Barrier**
- Lightweight
- Does not cause allergies
- Minimal Truss Depth
- Minimal additional insulation required

Full technical details available on request.

Gen-X® is available from SIG Insulations stockists

Using reflective technology Gen-X® helps prevent your roof space from overheating in summer by reflecting the electromagnetic radiation from the sun whilst retaining warmth in winter.
The latest insulation is also smaller, thinner and more efficient.

ACTIS, the benchmark for thin multifoil insulation, is driving technological progress through the development of exclusive technology for roofs, lofts, walls and floors. ACTIS insulation is a thin multi-layered complex (30 mm maximum), composed of reflective films interspersed with separators, which provides excellent thermal comfort both in summer and in winter. ACTIS measures the thermal performance of its insulation using a method based on tests under real conditions of use. TRISO-SUPER 10 has been tested by BM TRADA Certification Ltd, a member of the European Organisation for Technical Approvals (EOTA).

Easy to install, this unique technology provides extra living space and durable insulation performance.

For more information visit: www.insulation-actis.com
## Insulation

**Celotex EL3000**  
Insulation for use in built-up flat roofing applications including hot-applied bituminous and mastic asphalt waterproofing systems and fully adhered single-ply membranes.  
**Thermal Conductivity:** 0.025 - 0.027 W/mK  
**Standard Sizes:** 600mm x 1200mm or 1200mm x 2400mm  
(50 - 200mm thickness)

**Celotex TD3000**  
Rigid PIR insulation bonded to a facing of 5.5mm WBP ply, purpose designed for use in light traffic flat roof applications such as small extensions or garage roofs.  
**Thermal Conductivity:** 0.023 W/mK  
**Standard Sizes:** 1200mm x 2400mm  
(76 - 156mm thickness)

**Dow Roofmate SL-X**  
A solution for insulating inverted roofs and for use on heavyweight decks with a ballast layer of gravel or concrete pavers.  
**Thermal Conductivity:** 0.029 - 0.031 W/mK  
**Standard Sizes:** 1250mm x 600mm  
(80 - 180mm thickness)

**EcoTherm Eco-Metre**  
A thermal insulation for flat roofs. One versatile m² board is suitable for torching, roll and pour, single ply and asphalt applications.  
**Thermal Conductivity:** Variable  
**Standard Sizes:** 834mm x 1200mm  
(25 - 200mm thickness)

**EcoTherm Glass-Therm**  
Insulation for fully bonded single ply membrane systems. High performing PIR foam with mineral coated glass fibre tissue on both sides.  
**Thermal Conductivity:** 0.026 - 0.028 W/mK  
**Standard Sizes:** 1200mm x 600mm  
(30 - 200mm thickness)

**Kingspan® Kooltherm® K11 Roofboard**  
A rigid Kooltherm® insulation board bonded to a 20mm bitumen coated perlite facing, for use beneath fully bonded torch applied multi-layer bituminous waterproofing systems.  
**Thermal Conductivity:** 0.020 - 0.023 W/mK  
**Standard Sizes:** 1200mm x 1000mm  
(40 & 70mm thickness)

**Kingspan® ThermoRoof® TR31**  
A high performance structural 6mm plywood/rigid urethane insulation composite board, for use beneath partially bonded built-up felt.  
**Thermal Conductivity:** 0.022 W/mK  
**Standard Sizes:** 1200mm x 2400mm  
(50 - 120mm thickness)

**Kingspan® Themataper**  
A tapered insulation system to enhance water drainage from flat roofs.  
**Thermal Conductivity:** 0.022 - 0.028 W/mK

**Polyfoam Roofboard**  
A high performance, extruded polystyrene rigid board insulation. The boards are available in three grades to suit the intended end of use finished roof.  
**Thermal Conductivity:** 0.029 - 0.036 W/mK  
**Standard Sizes:** 1250mm x 600mm  
(35 - 120mm thickness)

**Rockwool Hardrock & Duorock**  
Dual density roofing insulation boards for use in single ply built-up flat roof applications.  
**Thermal Conductivity:** 0.038 - 0.039 W/mK  
**Standard Sizes:** 1200mm x 1000mm  
(50 - 180mm thickness)

## Ancillaries

### Membranes

Membranes resist liquid and air penetration and are moisture and vapour impermeable.

**Speedbond PU Adhesive**  
A single part moisture curing polyurethane structural adhesive. Specifically formulated for bonding insulation to a variety of roof decks.

**Vapour Barriers**  
Vapour barriers are typically plastic or foil sheets that resist passage of moisture through wall, ceiling and floor assemblies of buildings.  
- Alutrix® Aluminium Vapour Barrier  
- Toughsheet  
- Visqueen

**Vents**  
Designed to provide airflow for flat roof applications.  
- Glidevale  
- Manthorpe
You can count on it...

...Rockwool insulation takes care of buildings in three important ways

All Rockwool products cleverly combine excellent thermal insulation, acoustic performance and non-combustibility. We offer a wide range of products and systems for all applications, including roofs, floors, cavity and external walls, in both public and domestic buildings. What’s more, Rockwool products come from a renewable source and are recyclable too.

rockwool.co.uk
Lambda Limbo

0.020 W/m·K

Kingspan Kooltherm® K-range

The Kingspan Kooltherm K-range won’t let you fall flat when it comes to achieving the lowest U-values.

- Lambda value as low as 0.020 W/m·K
- Solutions for new build and refurbishment now and in the future
- Will not sag or slump
- Resistant to the passage of water vapour and air infiltration
- Flood resilient
- Class O / Low Risk fire rating

Kingspan Kooltherm is the thinnest commonly used insulation for any required U-value...ensuring you’re never left in limbo.

Visit our website for more details or contact us for your free product selector.

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Further information on the Kingspan range is available on:
www.insulation.kingspan.com
Pembridge, Leominster, Herefordshire HR6 9LA, UK
Premium insulation performance isn’t so hard to find...

...just apply the grey matter

Excellence is all in the detail. Whether your focus is design, function or budget when it comes to insulation it pays to be smart. Think about it and you’ll discover that one name stands out from the rest. Jablite Premium is a superior, high performance range that’s versatile, durable, cost-effective and sustainable. Professionals trust it to consistently beat tough U-value requirements. So with insulation all sewn up, now you have one less thing to worry about.

Jablite Premium: U-better believe it

www.jablite.co.uk/premium

Vencel Resil, Infinity House, Anderson Way, Belvedere, Kent DA17 6BG
Insulation

**Actis Triso Sols**
A thin thermo-reflective insulation ideal for use in underfloor heating systems. The product can also be used below the screed on a standard floor.

*Standard Sizes: 1600mm x 1250mm (7mm thickness)*

**Celotex FF3000**
A PIR insulation board specifically designed for ‘under screed’ applications, including underfloor heating systems.

*Thermal Conductivity: 0.023 W/mK*
*Standard Sizes: 1200mm x 2400mm (50 - 150mm thickness)*

**Celotex FR4000**
A premium performance PIR insulation board suitable for use on ground-supported, suspended concrete or timber floors, with exposed or semi-exposed intermediate concrete or timber floors.

*Thermal Conductivity: 0.022 W/mK*
*Standard Sizes: 1200mm x 2400mm (25 - 200mm thickness)*

**Celotex GA3000, TB3000 and XR3000**
Multi-purpose PIR insulation suitable for use on ground-supported, suspended concrete or timber floors, with exposed or semi-exposed intermediate concrete or timber floors.

*Thermal Conductivity: 0.023 W/mK*
*Standard Sizes: 1200mm x 2400mm (12 - 200mm thickness)*

**Dow Floormate 200-X**
A solution for insulating floors, in a range of compressive strengths. Can be installed under or over the slab in groundbearing concrete floors and is suitable for use on suspended beam and block or timber floors.

*Thermal Conductivity: 0.029 W/mK*
*Standard Sizes: 2500mm x 600mm (50 - 100mm thickness)*

**Jabfloor Premium**
Insulation board suitable for use in all floor constructions for both domestic and commercial buildings.

*Thermal Conductivity: 0.038 W/mK*
*Standard Sizes: 2400mm x 1200mm (25 - 200mm thickness)*

**Kingspan® Kooltherm® K3 Floorboard**
Kooltherm® insulation for solid concrete and suspended ground floors.

*Thermal Conductivity: 0.020 - 0.023 W/mK*
*Standard Sizes: 1200mm x 2400mm (25 - 130mm thickness)*

**Kingspan® Thermafloor® TF70**
A high performance, rigid urethane insulation board that can be used for both solid concrete and suspended ground floors.

*Thermal Conductivity: 0.022 W/mK*
*Standard Sizes: 2400mm x 1200mm (20 - 150mm thickness)*

**Marmox Waterproof Insulation Board**
An extruded polystyrene board for insulating and waterproofing walls and floors.

*Standard Sizes: 1250mm x 600mm, 2500mm x 600mm (6 - 50mm thickness)*

**NaturePro Sheep’s Wool**
A completely sustainable, renewable material with natural insulating properties, releasing moisture for a cooling effect in the summer and absorbing moisture in the winter. The product is suitable for use in roofs, walls and floors.

*Standard Sizes: 1200mm x 575mm (100/150mm thickness)*

**Polyfoam Floorboard Standard**
A high performance, extruded polystyrene rigid board designed for use on general domestic flooring.

*Thermal Conductivity: 0.029 W/mK*
*Standard Sizes: 2500mm x 600mm (25 - 85mm thickness)*
**Cement**
A mixture of compounds used to bind materials together.

**Chipboard**
Chipboard is created by gluing together wood particles with an adhesive, under heat and pressure. This creates a rigid board with a relatively smooth surface. Suitable for use in general building work and joinery applications.
- Speedline Chipboard P5
- Speedline Safedeck HD

**Damp Proof Membranes**
Damp proof membranes provide safe effective basement tanking.
- Toughsheet
- Visqueen

**Finnforest Plywood**
An uncoated softwood plywood of thick veneer with a longitudinal grain, suitable for both interior and exterior applications.

**Floor Screed**
A multi functional product that can be used to level out a concrete floor and can be put above under floor heating, etc.

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**Rocksilk Thermal Floor Slab/Plus**
A dense, rigid, compression resistant rock mineral wool slab designed for the thermal insulation of concrete ground floors.

- **Thermal Conductivity:** 0.035 - 0.038 W/mK
- **Standard Sizes:** 900mm x 600mm (25 - 100mm thickness)

**Rockwool Rock Floor**
A tissue faced high compressive strength slab, offering a dual density thermal insulation for ground floors and acoustic insulation for separating floors.

- **Thermal Conductivity:** 0.038 W/mK
- **Standard Sizes:** 1000mm x 600mm (25 - 130mm thickness)

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**Ancillaries**

**James Hardie® HardieBacker™ 250 Cement Board**
A water-resistant tile backer board that provides a durable and stable substrate for the easy installation of tiles in a wide variety of applications. It is water-resistant and offers an excellent tile bonding surface. Cutting and installation are quick and easy using the James Hardie Score and Snap knife.

**Speedline Protection Board**
A versatile corrugated polypropylene board providing multi-surface impact protection during site works.

**Tenax Insulation Support Net**
A net used to support insulation materials between floor rafters or in a vertical wall.

**Underfloor Ventilation**
Modern construction practices have created thermally efficient buildings which require the installation of throughwall ventilation products to prevent problems caused by condensation.
- Glidevale
- Manthorpe

**Versafloor**
Cement bonded particleboard with tongued and grooved edges for flooring applications requiring good acoustic or fire performance.

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**See Acoustic Insulation section for further products.**
Plasterboards and Metal Systems

SIG Insulations trading companies supply a selection of British Gypsum, Knauf Drywall, Lafarge and Speedline products.

**Standard Wallboard**
Standard wallboard is available in thicknesses of 9.5mm, 12.5mm and 15mm. Available in tapered edge and square edge with decorative ivory face that can be skim plastered, or supplied tape and jointed.

**Sound Resistant Wallboard**
Sound resistant wallboard is available in thicknesses of 12mm and 15mm. It can be finished in the same way as a standard board. This product is installed when superior sound resistance is required.

**Fire Resistant Wallboard**
Fire resistant wallboard is available in thicknesses of 12mm and 15mm. It can be finished in the same way as a standard board. This product is installed when superior fire protection is required.

**Impact Resistant Wallboard**
Impact resistant wallboard is available in thicknesses of 12mm and 15mm. It can be finished in the same way as a standard board. This product is installed when superior impact resistance is required.

**Moisture Resistant Wallboard**
Moisture resistant wallboard is available in thicknesses of 12mm and 15mm. It can be finished in the same way as a standard wallboard. This product is installed when superior moisture resistance is required, e.g. bathrooms and wetrooms.

**Vapour Resistant Wallboard**
Vapour resistant wallboard is available in thicknesses of 9.5mm, 12mm and 15mm. It can be finished in the same way as a standard board. This product is foil faced on one side and is installed when vapour resistance is required.

**Metal Systems**
Metal systems include a number of different products, including a wide range of high quality metal studs ranging from 48mm to 146mm widths, a full range of MF ceiling components, resilient bar, metal angle and other associated products.

**Ceiling Systems**
- Armstrong
- British Gypsum
- Burgess
- Danogips
- Ecophon
- Knauf Drywall
- Lafarge
- OWA
- Rockfon
- SAS
- Speedline
- USG

**Render Carrier Board**
A board designed for use where there is no insulation applied to the board prior to rendering.

**Tile Backer Board**
Tile backer boards are water resistant boards that provide a durable and stable substrate. The boards are suitable for use when installing tiles in wet areas.

**Thermal Laminate Board**
Thermal laminate boards are available in a wide range of thicknesses and are made up of a range of different thermal products to offer varying thermal performances. The boards can be skim finished or taped and jointed. This product is installed to increase the thermal performance of a property.

**Wall Linings**
Wall lining systems allow you to overcome uneven backgrounds and surfaced fixed services. They allow up to 130mm cavity behind the plasterboard.

**Direct Bond**
A common practice for sticking plasterboards to the external envelope of a building. This ensures a flat regimented surface for skim plastering or taping and jointing.
**Versa Range of Building Boards**
- **Versafire® A1** - Non-Combustible Board. For internal/external use.
- **Versaliner JPM** - Internal Class '0' Dry Lining Board. Tile backing applications.
- **Versapanel® Class '0'** - Cement Particle Board. For internal/external use.
- **Weather Pro - L™** - Calcium Silicate Board. Lightweight, multi-purpose use. For internal or external use, a high quality, high performance range offering fire, moisture, impact, sound and rot resistance. Suitable for use in a variety of applications such as partitions, floors, ceilings, cladding, dry lining and tile backing.

**BluClad**
A flat, class O building board with outstanding dimensional stability. It is suitable for use as a substrate for a variety of thin coat polymeric renders, textured finishes and other surface coatings. The product can also be used to provide a seamless finish.

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**Ancillaries**

**Access Panels**
Purpose designed wall and ceiling panels for use in systems where there is a requirement to access services for maintenance.

**Beads**
A wide range of beads is available for internal and external application, on the external angle of a joint, to give a clean line to plaster and render finishes.
- British Gypsum
- Knauf Drywall
- Lafarge
- Speedline

**Board Finishes**
Board finish is a skim plaster product for application to plasterboard to achieve a smooth flat finish prior to decoration.
- Thistle

**Coving**
Coving is available in various designs for decorative application at the junction of walls and ceilings.
- Artex
- British Gypsum
- Lafarge
- Knauf Drywall

**External Renders**
A durable and visually acceptable skin for an unattractive construction. Renders can reduce rain penetration and maintain the thermal insulation of walls.
- Kilwaugther K-Rend
- Weber Monocouche

**Joint Cement and Filler**
Joint cements and fillers are used to bed tapes and give a smooth finish to the joints between plasterboards.
- British Gypsum
- Knauf Drywall
- Lafarge
- Speedline
- Versafiller

**Plasters**
Plasters are applied to masonry backgrounds to ensure a flat solid finish prior to decoration.
- Thistle
- Knauf Drywall

**Screws and Fixings**
A range of drywall screws and fixings for use with Dry Lining systems.
- BZP Drywall Screws (Zinc)
- BZP Self Drill Drywall Screws (Zinc)
- Course Thread Drywall Screws including bits specifically designed for installation of boards directly onto timber framework. The course thread provides excellent drive and grip for quick and easy installation
- Collated Drywall Screws, suitable for use with a wide range of autofeed screw drivers. The collated drywalls allow quick installation of screws into plasterboard
- Pan/Wafer Head Self Drill Screws
- Plugs, general purpose fixing into brick and concrete
- Metal Nail-Ins, suitable for use in concrete and full bricks for fixing brackets, straps and general items
- Hammerfix Nylon, suitable applications include concrete, brick, hollow concrete block

**Tapes**
A range of products used in the application of skim plasters and taping and jointing materials. Tapes are used to strengthen the joints between plasterboard or for remedial applications.
- British Gypsum
- Knauf Drywall
- Lafarge
- Speedline
QUALITY ANCILLARY PRODUCTS

ALWAYS RELIABLE.
ALWAYS THE RIGHT CHOICE.

Whatever your application, Speedline can provide the right materials to complete the job.

- Access Panels
- Beading & Trims
- Tools
- Fixings
- Jointing Accessories
- Metal Systems
  - Partitioning Systems
  - Wall Lining Systems
  - Ceilings
  - Channels & Angles

Speedline products are supplied exclusively through SIG plc stockists
Need to know Part L solutions?

Loft conversions (brick + cavity + block)
65mm Gyproc ThermaLine SUPER boarded over 100mm Isover Frame Roll 35, which sits between the rafters.

Cavity walls (brick + cavity + block)
60mm Gyproc ThermaLine PLATINUM installed in Drilysystem.

Solid walls (215mm solid brick)
65mm Gyproc ThermaLine SUPER installed in the Gyptner UNIVERAL system together with 25mm Isover APR 1200.

Gyproc ThermaLine is the name of the British Gypsum range of laminated plasterboards designed to upgrade the thermal performance of existing external walls.

When installed with British Gypsum systems, they can achieve Part L Building Regulations in England and Wales and Section 6 Regulations in Scotland.

www.british-gypsum.com

British Gypsum
When it comes to wet or high-humidity areas such as bathrooms, kitchens and wet rooms GTEC Aqua Board stands as a breed apart from alternative boards. The first of its kind in the UK, its tried and tested gypsum-based formulation is designed to cope with all the water you can throw at it, and it’s mould and fungus resistant too.

www.lafarge-aquaboard.com

*The winner will have their water bills paid by Lafarge for 5 years. Terms and conditions apply.
It’s what you’ve been waiting for

AQUAPANEL® Cement Board

6mm Floor Tile Underlay
For years you have trusted Aquapanel tile backer to look after your wall tiles
Now you can offer the same rock-solid protection to your floor tiles with new 6mm Aquapanel Floor Tile Underlay

- Same tough Portland cement construction
- Just as easy to score, snap and fix
- Still totally unaffected by water
- Now available as 6mm Aquapanel Floor Tile Underlay

Trust Aquapanel

www.aquapanel.co.uk
## Insulation

### British Gypsum Gyproc HandiBoard
- British Gypsum Gyproc HandiBoard is backed with a vapour control membrane for use in wall and ceiling linings where vapour control and a plasterboard lining are required in one fixing operation.
- **Standard Sizes:** 1220mm x 600/900mm (9.5 - 12mm thickness)

### British Gypsum Gyproc WallBoard
- British Gypsum Gyproc WallBoard can be used to contribute to fire resistance, for sound insulation of building elements, lining ceilings, roofs and walls, for building partitions and for encasing steel columns and beams.
- **Standard Sizes:** 1800mm - 3600mm x 900/1200mm (9.5 - 15mm thickness)

### Isover Timber Frame Batt
- A high performance glass mineral wool insulation with excellent thermal, acoustic and fire properties.
- **Thermal Conductivity:** 0.032 - 0.043 W/mK
- **Standard Sizes:** 1175mm x 570mm (50 - 140mm thickness)

### Karma Acoustic Clad SP
- 100% recycled gypsum based board, providing moisture resistance, fire protection and impact resistance when cladding spandrel panels on a timber frame development. The product has replaced the traditional system of cladding a panel with a two layer system by using a higher performing board.
- **Standard Sizes:** 15mm x 1200mm x 2400mm (up to 6000mm)

### Kingspan® Kooltherm® K12 Framing Board
- A Kooltherm® insulation board for timber and steel frame systems. The product can be used between studs or as an insulating sheathing in newbuild and refurbishment projects.
- **Thermal Conductivity:** 0.020 - 0.023 W/mK
- **Standard Sizes:** 2400mm x 1200mm (25 - 130mm thickness)

### Kingspan® Thermawall® TW55
- A high performance rigid urethane insulation for timber and steel framing systems. The board may be installed either between or outside timber studwork.
- **Thermal Conductivity:** 0.022 W/mK
- **Standard Sizes:** 1200mm x 2400mm (20 - 150mm thickness)

### Knauf Insulation Acoustic Joist Roll
- A flexible, lightweight and non-combustible glass mineral wool quilt, designed to improve the sound insulation of timber joisted floors.
- **Standard Sizes:** 9170mm x 1200mm (3 x 400mm rolls)
- 9170mm x 1200mm (2 x 600mm rolls)

### Knauf Insulation FrameTherm Roll/Slab
- A resilient, glass mineral wool roll or slab used for the thermal insulation of timber frame walls and the acoustic insulation of timber frame separating walls.
- **Thermal Conductivity:** 0.032 - 0.043 W/mK
- **Roll Standard Sizes:** 9600mm - 3900mm x 1140mm (2 x 570mm rolls)
- **Slab Standard Sizes:** 1170mm x 570mm (90 - 140mm thickness)

### NaturePro Hemp
- A completely renewable material which helps to reduce atmospheric CO₂ levels as it grows. The product is suitable for use in walls, roofs and ceilings.
- **Thermal Conductivity:** 0.04 W/mK
- **Standard Sizes:** 1200mm x 575mm (100mm thickness)

### NaturePro Sheep's Wool
- A completely sustainable, renewable material with natural insulating properties, releasing moisture for a cooling effect in the summer and absorbing moisture in the winter. The product is suitable for use in roofs, walls and floors.
- **Standard Sizes:** 1200mm x 575mm (100/150mm thickness)
NaturePro Wood Fibre
Sourced from sustainable forestry these wood fibre products have the capacity to absorb and release moisture to prevent overheating in summer and provide a safeguard against condensation. The products are suitable for use in new build and refurbishment roofs and lofts and timber frame external walls.
Standard Sizes: Available in various sized batts & boards.

Rocksilk Flexible Slab
A lightweight rock mineral wool multi-purpose push fit slab for general thermal and acoustic applications.
Thermal Conductivity: 0.037 W/mK
Standard Sizes: 1200mm x 600mm (50 - 140mm thickness)

Rockwool Flexi Slab
A unique insulation product with a patented flexible edge along one side ensuring a perfect fit is maintained between the product and its supporting framework.
Thermal Conductivity: 0.035 W/mK
Standard Sizes: 1200mm x 400/600mm (50 - 120mm thickness)

Versa Range of Building Boards
• Versapanel® Class ‘0’ - Cement Particle Board
• Weather Pro - L™ - Calcium Silicate Board
• Versafire® A1 - Non-Combustible Board
• Versaliner JPM - Internal Class ‘0’ Dry Lining Board
For internal or external use, a high quality, high performance range offering fire, moisture, impact, sound and rot resistance.
Suitable for use in a variety of applications such as partitions, floors, ceilings, cladding, dry lining and tile backing.

Ancillaries

Breathable Membranes
Provide protection for timber against wind-driven rain, snow and dust, during construction whilst allowing the timber to breath.
• Dupont Tyvek Reflex
• Isover Vario Membrane
• Speedline Breathable Membrane
• TF200

Mayplas TCB
An insulated damp proof course between the outer brick work and inner closer brickwork around doors and window frames and in masonry cavity walls.

Speedline Thermal Laminates
A standard wallboard bonded to insulation for lining external masonicry walls to meet the requirements of Approved Document L.

Vapour Control Layers
Specifically designed to be applied to the warm side of insulation behind wall linings.

Wood Glue
• Everbuild
• Bostik
**ACOUSTICS**

**Insulation**

**Karma Acoustic Batten**
For use on even surfaces in new build and refurbishment timber and concrete separating floors, where a simple acoustic solution is required.

*Standard Sizes: 1200mm x 600mm x 30mm*

**Karma Acoustic Blanket**
An innovative acoustic quilt which consists of an acoustic barrier membrane sandwiched between two layers of 25mm mineral wool. Suitable for use in refurbishment projects where access is only available from one side or where existing flooring and finishing products are to remain.

*Standard Sizes: 52mm x 400mm/600mm 1200mm x 5000mm*

**Karma Acoustic EasyPanel**
A sustainable product which provides high levels of airborne and impact sound insulation in a single board, suitable for use in refurbishment projects where there are problems with door thresholds and lifting skirting.

*Standard Sizes: 15mm x 800mm x 1200mm*

**Karma Acoustic Mat**
A sustainable product made from 100% recycled materials, suitable for use in refurbishment projects where there are problems with door thresholds and lifting skirting. The acoustic mat can be bonded to all types of concrete.

*Standard Sizes: 4.5mm x 1000mm x 1800mm 3mm x 1000mm x 2000mm*

**Karma Acoustic MultiPanel**
A 12mm tongued and grooved cement particle board laminated to an 18mm wood fibre resilient layer to reduce airborne and impact sound through floors. The product is suitable for use in refurbishment projects on mixed use developments such as retail outlets.

*Standard Sizes: 30mm x 585mm x 1185mm*

**Karma Acoustic Overlay**
A moisture resistant tongued and grooved chipboard laminate to a closed-cell cross-linked polyethylene foam to provide acoustic insulation and a floor finish in one product. Suitable for use on even concrete and timber floors for both new build and refurbishment applications.

*Standard Sizes: 600mm x 2400mm (23 - 28mm thickness)*

**Karma Acoustic TripleDeck**
Structural acoustic floor panels designed to replace existing timber floorboards by direct application to existing joists. The panels are suitable for use in timber refurbishment projects where floor heights are restricted or where floor boards need to be replaced.

*Standard Sizes: 2400mm x 600mm x 37mm*

**Karma Acoustic TripleMat**
An acoustic overlay solution for application over existing timber floors when improvement in airborne and impact sound performance is required. Suitable for use in both new build and refurbishment projects.

*Standard Sizes: 1200mm x 1200mm (15mm thickness)*

**Karma Acoustic UnderScreed**
A high performance sustainable product made from 100% recycled rubber, suitable for use on new build concrete floor applications.

*Standard Sizes: 5mm x 1150mm x 2300mm*
Ancillaries

**Karma Acoustic Downlighters**
Downlighting is used to create a desired effect. A light is placed at a vantage point above a room or outdoor area. Downlighting can be used for general ambient lighting, accent lighting, outdoor lighting, or even security lighting.

**Karma Acoustic Perimeter Strip**
100% recyclable non-crosslinked polyethylene foam designed to prevent any flanking transmission and maintain the acoustic integrity of a structure.

**Karma Acoustic Pipe Wrap**
Used where service pipes pass through separating floors to reduce sound transmission between adjacent floors and dwellings.

**Speedline Acoustic Sealant**
Acoustic sealants are intended for sealing low movement joints providing effective noise reduction.

**Speedline Putty Pads**
An acoustic, intumescent putty pad designed for lining electrical socket boxes in partition wall constructions, to reduce sound travel.
A range of thermally insulating materials derived from completely natural, sustainable and renewable sources.

High performance insulation... Naturally.

www.natureproinsulation.com
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