UNILIN INSULATION

PRODUCT HANDBOOK

PRODUCT HANDBOOK

Insulation for:

Walls

Floors

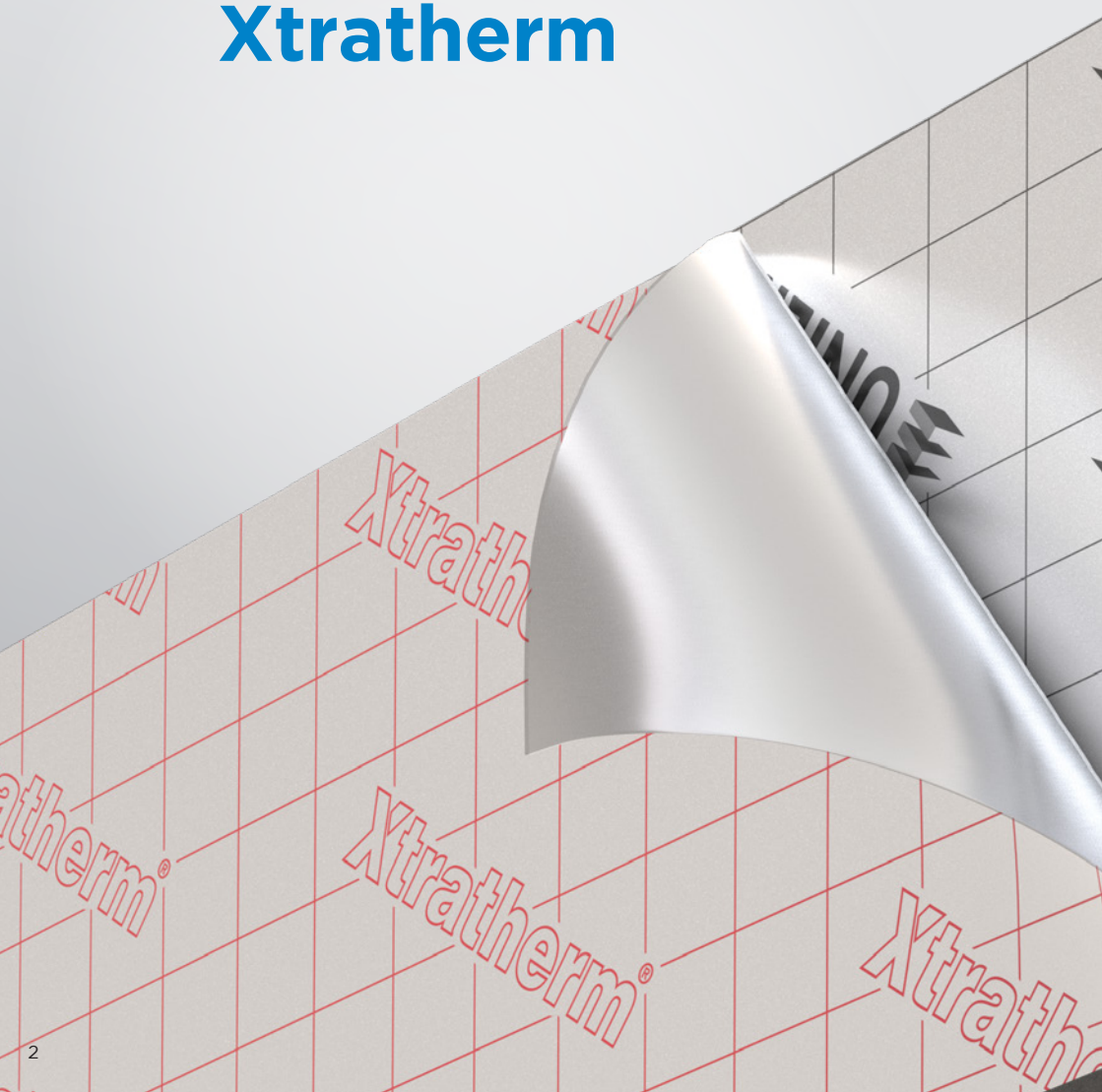
Roofs

Soffit

UNILIN INSULATION

UNILIN
INSULATION

The new name for
Xtratherm



For over 20 years Xtratherm has been proudly serving the UK construction industry. From 2023 we will continue to do so under our new name **'Unilin Insulation'**.

Eight years in the making, this change marks our evolution to one of Europe's largest PIR insulation manufacturers and to a global supplier of building products to the construction industry.

As part of the Unilin Group we are able to deliver impactful results to a more sustainability minded construction sector, where environmental considerations are an urgent priority.

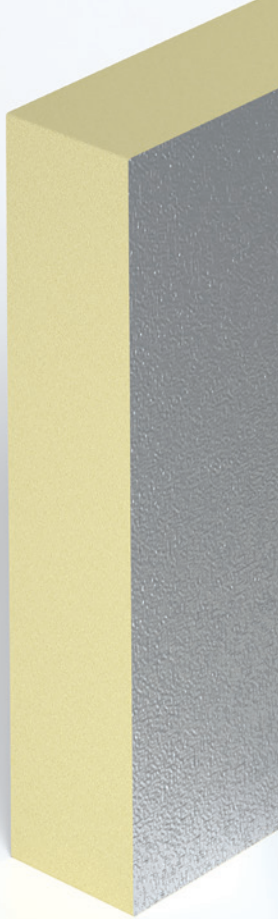
As Unilin Insulation we are now joining over eight thousand of our colleagues across 105 locations in a cohesive effort to deliver more on effective specification, sustainability and compliance.

Your Unilin Insulation team will be the same familiar and dedicated individuals who have been working with you over many years.

Join us on this exciting journey.

Find out more on
unilininsulation.co.uk

Designing to Zero



We are committed to developing and promoting sustainable low energy design in construction.

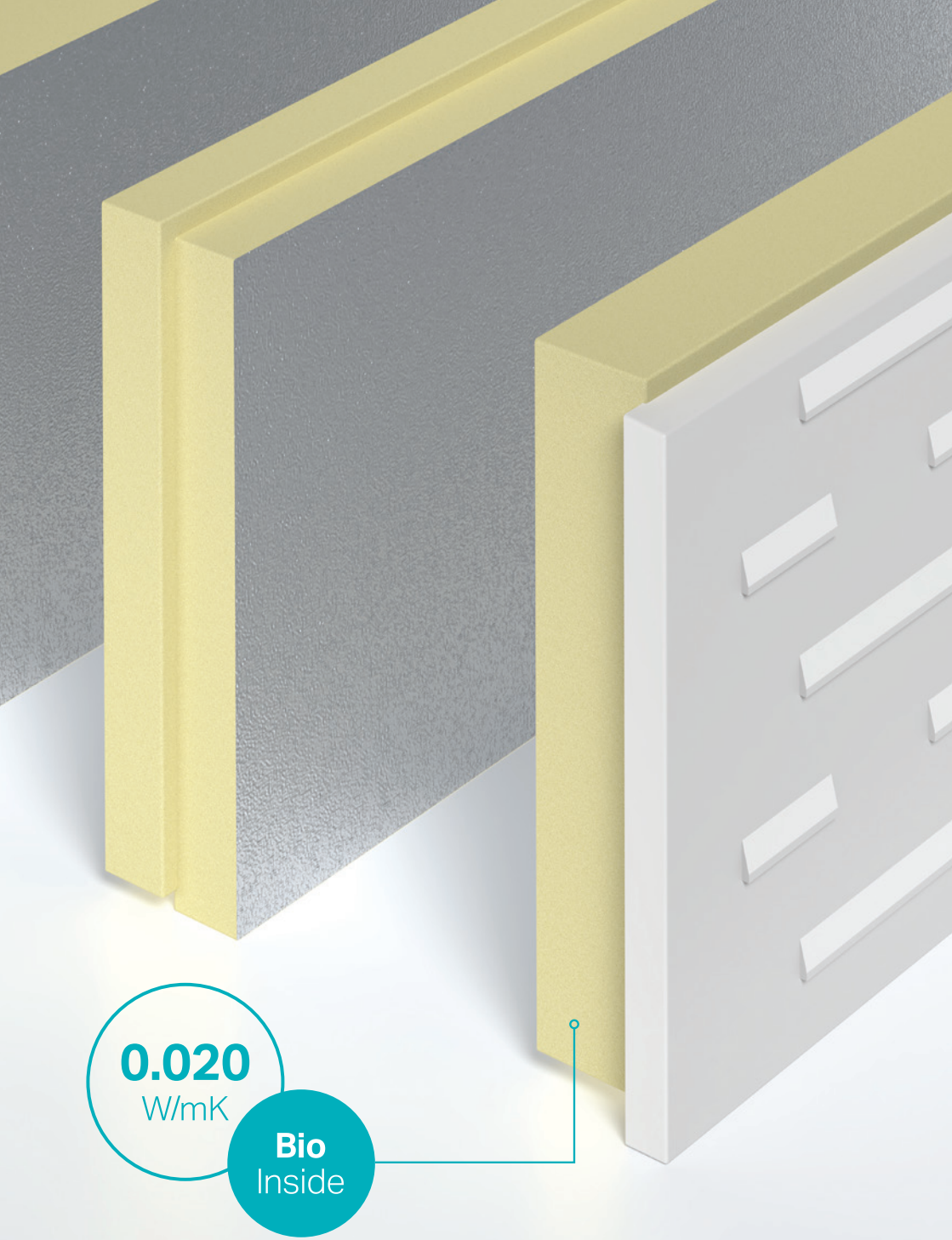
Meeting Passive or Future Homes Standard requires us all to think and deliver differently. We continually improve and adapt to the challenge, gaining in-depth knowledge and sharing those technical aspects with industry.

The Climate Emergency necessitates an accelerated drive for reducing our own impact and the impact of the projects we work on in terms of operational energy and embodied carbon. Unilin Insulation welcomes the growing industry momentum for performances beyond Building Regulations such as the Climate Challenge 2030 and by groups such as Low Energy Transformation Initiative (LETI).

ECO360

The ECO360 Range sees pioneering environmental improvements in the manufacturing, delivery and use of PIR insulation.

- Bio-enhanced formulation
- Part of a design solution to achieve Climate Challenge 2030 & LETI Targets
- Reduced packaging materials
- Halogen free formulation
- Improved thermal performance of 0.020 W/mK
- Bio-degradable packaging materials


0.020
W/mK
Bio
Inside

Sustainability Pledge

Our environmental impact is the predominant consideration in all operational and commercial decisions for the benefit of our business, staff, shareholders, customers, communities and families.

ONEHOME

Part of Unilin Europe's wider ONEHOME strategy

UK GBC






Four Focus Areas

Product

Improving product sustainability, as evidenced by our published Environmental Product Declarations (EPDs). Working with our industry partners, we aim to drive a more environmentally aware industry.

People

Our greatest asset. Unilin's success is driven by a dedicated team. It is their vision that will deliver a more sustainable Unilin operation.

Place

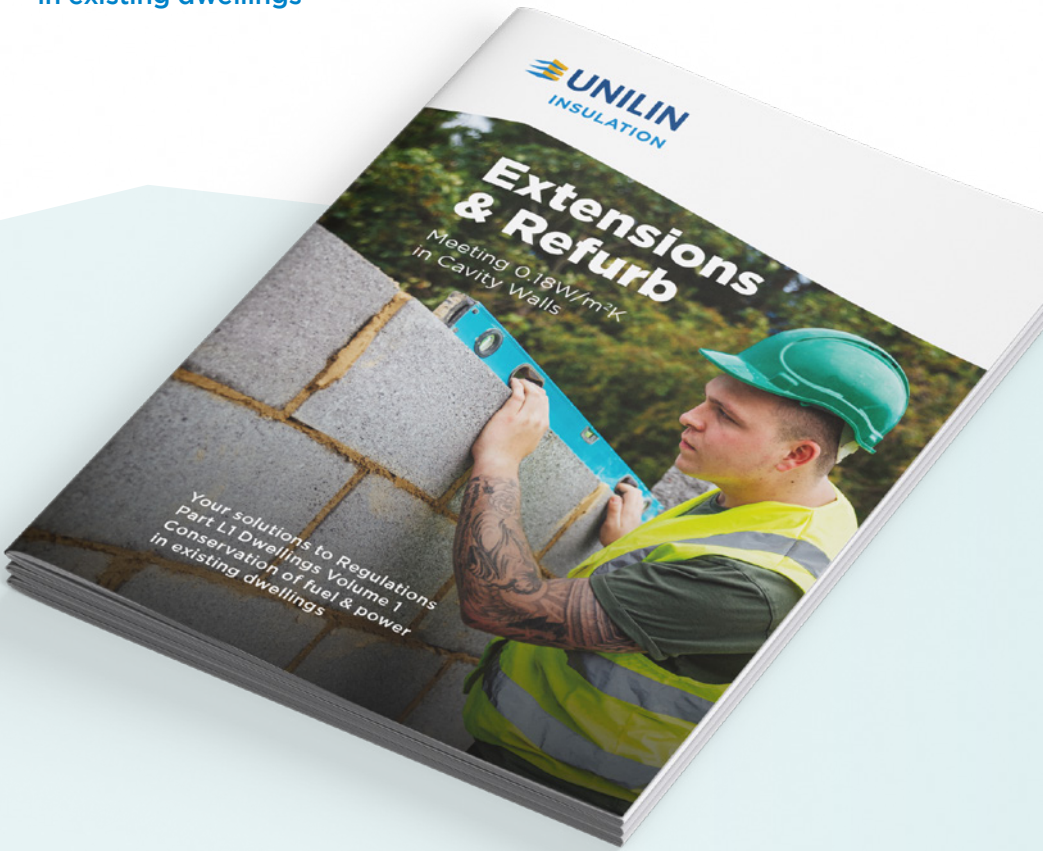
Promoting the adoption of more sustainable practices in the places and communities in which we work and live.

Partnership

Working with our partners throughout the business to make more environmentally sensitive choices.

We have just published our new guide for **reaching 0.18 W/m²K in Cavity Walls**

Our solutions to Regulations
Part L Volume 1 Dwellings
Conservation of fuel & power
in existing dwellings



Our solutions to reaching a U-Value of 0.18 W/m²K

Full Fill Option

Required Cavity width

110mm Cavity

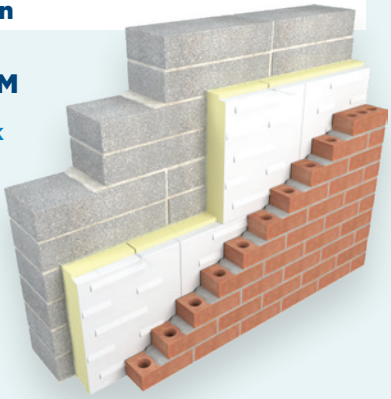
Using **CavityTherm**

125mm Cavity

Using **CavityTherm** to achieve Passive U-Values

CAVITYTHERM

U-Value = 0.15 to 0.18 W/m²K



Partial Fill Options

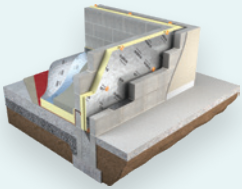
Required Cavity width

140mm Cavity

Using **Cavity Wall Plus (T&G)** or **XtroLiner Cavity Wall (T&G)**

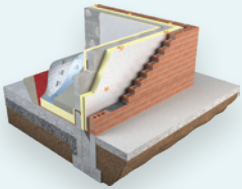
CAVITY WALL PLUS (T&G)

U-Value = 0.17 to 0.18 W/m²K



XTROLINER CAVITY WALL (T&G)

U-Value = 0.17 to 0.18 W/m²K

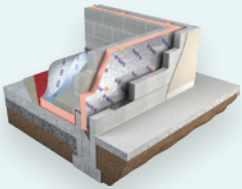


150mm Cavity

Using **Safe-R Cavity Wall** or **Thin-R Cavity Wall**

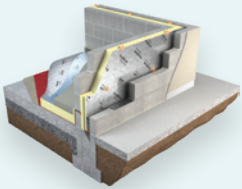
SAFE-R CAVITY WALL

U-Value = 0.15 to 0.16 W/m²K



THIN-R CAVITY WALL (T&G)

U-Value = 0.16 to 0.17 W/m²K



OUR PRODUCTS

Products by Application

WALLS

Built-in Full Fill Walls

Partial Fill Cavity Walls

Drylining Walls

Framing Walls

ROOFS

Pitched Roofs

Flat Roofs

FLOORS

Solid & Suspended Floors

SOFFITS

Key

- **ECO360**
- **SAFE-R**
- **CAVITYTHERM**
- **XTROLINER**
- **THIN-R**
- **THIN-R PLUS**

*Products are available with engineered jointing for improved continuity and thermal bridging detailing.

Products by Range

ECO360
BIO-ENHANCED PIR INSULATION

XTROLINER
SUPERIOR PERFORMANCE PIR INSULATION

CAVITYTHERM
BUILT-IN FULL FILL PIR WALL INSULATION

SAFE-R
PHENOLIC INSULATION

THIN-R
PIR INSULATION

THIN-R PLUS
ENHANCED PIR INSULATION

XPS
EXTRUDED POLYSTYRENE INSULATION

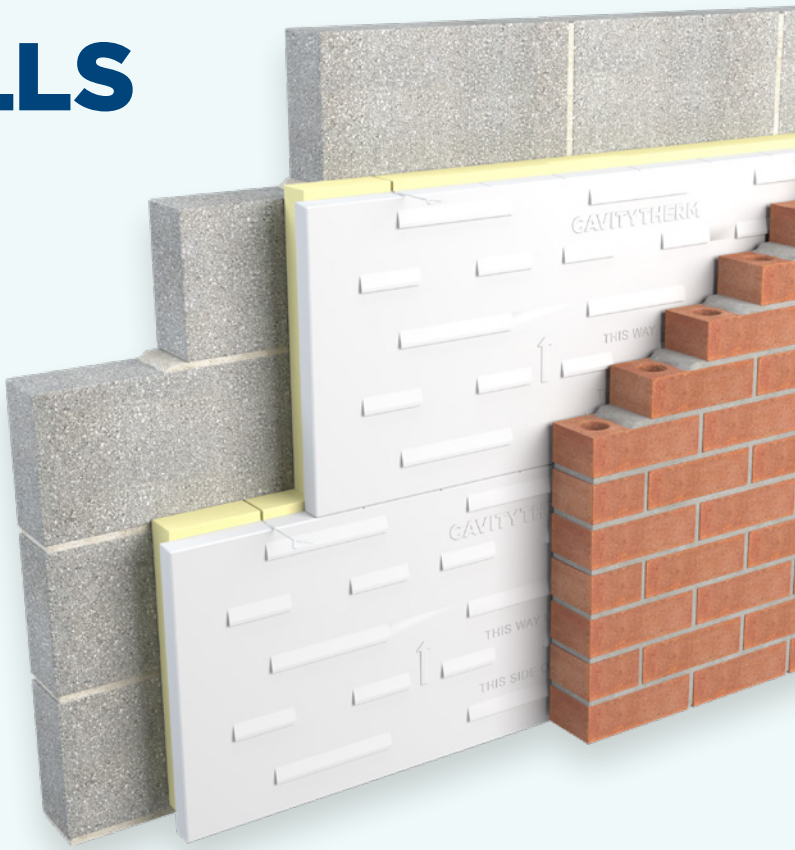
EPS
EXPANDED POLYSTYRENE INSULATION

CLOSE-R
INSULATED CAVITY CLOSER

*Unilin Insulation products are available with engineered jointing for improved continuity and Thermal Bridging detailing.

Our insulation products have been manufactured as solutions for specific building projects. Whether you are constructing a roof, installing a floor, or looking at low carbon wall types, there is always a practical, cost effective Unilin Insulation solution to suit your project.

WALLS



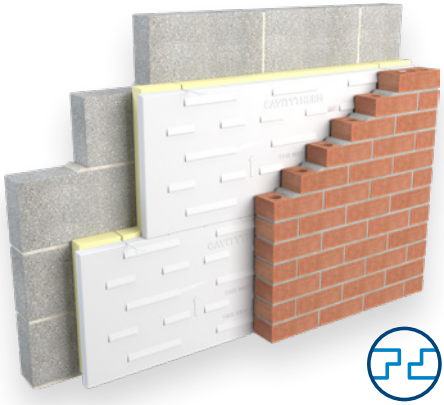
ECO360 BIO-ENHANCED PIR INSULATION
Full Fill Cavity Walls

Lambda value as low as **0.020 W/mK**

ECO/CT

An engineered system providing added resilience against increases in wind-driven rain resulting from climate change.

CavityTherm 360 is a bio-enhanced high performance composite board of enhanced PIR with a thermal conductivity as low as 0.020 W/mK for full fill cavity wall applications.



SHIPLAP JOINTING

Key Features
Bio-enhanced PIR insulation
Halogen free
Enhanced performance as low as 0.020 W/mK
Bio-degradable packaging – Reduced packaging materials
Moisture directed to outer surface
Fully engineered jointing
Fully recyclable HIPs facer provides wind-driven rain protection
Wide range of system compatible accessories that build to a system

Specifications	
Thermal Conductivity	0.020 W/mK
Facings	Composite Foil/Engineered Hips
Core	Bio-enhanced PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	110, 125, 150mm
Board Profile	Rebate Edge
Preformed Corner	Yes

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

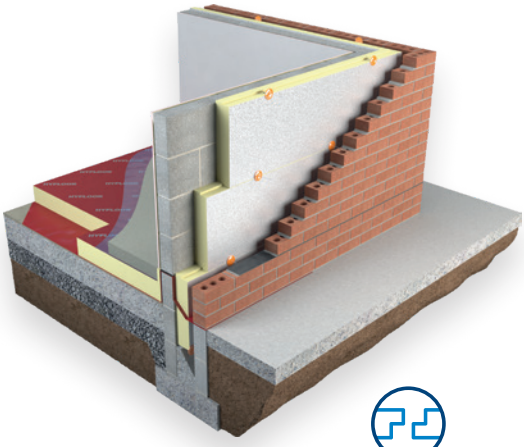
ECO360 BIO-ENHANCED PIR INSULATION
Partial Fill Cavity Walls

Lambda value as low as **0.020 W/mK**

ECO/CW

Cavity Wall 360 is a bio-enhanced partial fill wall insulation system. The system incorporates robust facings, engineered jointing details, preformed corners and has a Lambda of 0.020 W/mK.

Cavity Wall 360 is an environmentally sound choice for Passive and low energy builds. It can achieve a Passive U-Value of 0.15 W/m^{2}K in a traditional cavity wall. When building with Cavity Wall 360 a residual cavity is maintained, offering excellent protection against wind-driven rain.



SHIPLAP JOINTING

Key Features
Bio-enhanced PIR insulation
Halogen free
Enhanced performance as low as 0.020 W/mK
Bio-degradable packaging
Clear cavity maintained
Lower Lambda value for improved U-Values

Specifications	
Thermal Conductivity	0.020 W/mK
Facings	Robust low emissivity foil facings
Core	Bio-enhanced PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	100, 110mm
Board Profile	Rebate Edge
Preformed Corner	Yes

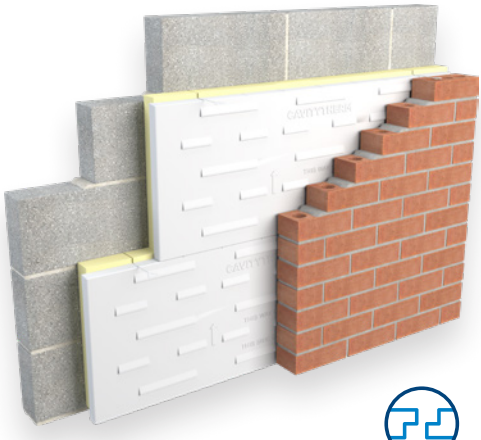
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

CAVITYTHERM BUILT-IN FULL FILL PIR WALL INSULATION
Full Fill Cavity Walls

Lambda value as low as **0.021 W/mK**

CT/PIR

CavityTherm is an innovative built-in insulation for traditional walls that achieves Passive level U-Values as low as 0.12 W/m²K with excellent Thermal Bridging detailing in cavities up to 150mm wide.



SHIPLAP JOINTING

Key Features
Verified EPD available
Engineered HIPs facer provides wind driven rain protection
Moisture redirected to outer surface
Prepositioned slots for sloping wall ties - no creep
Fully engineered jointing – no reliance on taping*
Full range of accessory pieces build continuous system
Excellent Thermal Bridging Values

*Where the boards are butt jointed tape is required

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Composite Foil/Engineered Hips
Core	PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	100, 110, 125, 150mm
Board Profile	Rebate Edge
Preformed Corner	Yes

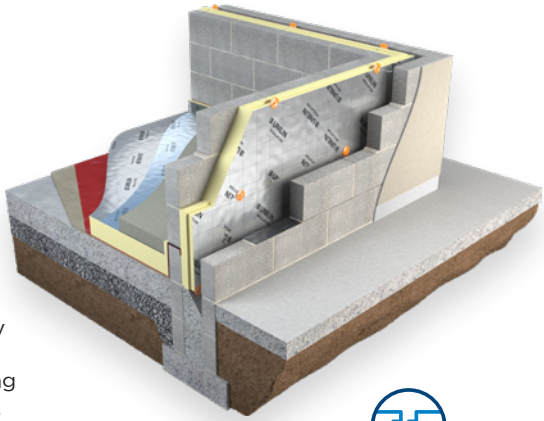
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PLUS PIR INSULATION
Partial Fill Cavity Walls

XT/CWP (T&G)

Partial Fill Cavity Wall Plus (T&G) builds to a system thanks to its engineered tongue and grooved joints and pre-formed corners, ensuring insulation continuity and minimising of thermal bridging.

Cavity Wall Plus (T&G) is an excellent solution when building traditional masonry walls to the highest thermal standards whilst maintaining a residual cavity, offering excellent protection from wind driven rain. The lower Lambda of 0.021 W/mK improves U-Values and meets Future Homes Standard, proving an excellent choice for passive and low energy builds.



TONGUE & GROOVE JOINTING

Key Features
Verified EPD available
Improved lambda value of 0.021 W/mK
Robust tongue & groove jointing
Preformed corner panels & cavity closers: Reduced Thermal Bridging
Suitable to be used in conjunction with cavity closers reducing Thermal Bridging
Clear cavity maintained
No exposure restrictions

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Low emissivity foil facings
Core	Enhanced PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	50, 60, 70, 75, 80, 100mm
Board Profile	Tongue & Groove
Preformed Corner	Yes

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

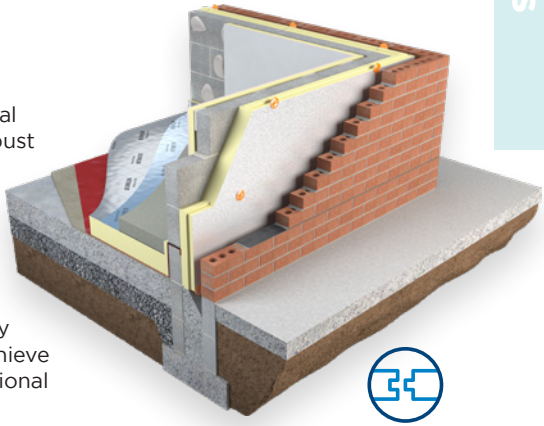
XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Partial Fill Cavity Walls

Lambda value as low as **0.021 W/mK**

XO/CW (T&G)

XtroLiner Cavity Wall is an innovative partial fill wall insulation system incorporating robust facings, engineered jointing details, preformed corners and a thermal conductivity of 0.021 W/mK.

This lower lambda improves U-Values and meets Future Homes Standard, proving an excellent choice for passive and low energy builds. XtroLiner Cavity Wall (T&G) can achieve a passive U-Value of 0.15 W/m²K in a traditional cavity wall. Building with this product, a residual cavity is maintained, offering excellent protection against wind driven rain.



TONGUE & GROOVE JOINTING

Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
Engineered Jointing
Preformed Corner Panels
Suitable to be used in conjunction with Cavity Closers Reducing Thermal Bridging
Clear Cavity Maintained
Lower Lambda value for improved U-Values
Robust Textured Foil

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust low emissivity foil facings
Core	Superior Performance PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	50, 60, 75, 80, 100mm
Board Profile	Tongue & Groove
Preformed Corner	Yes

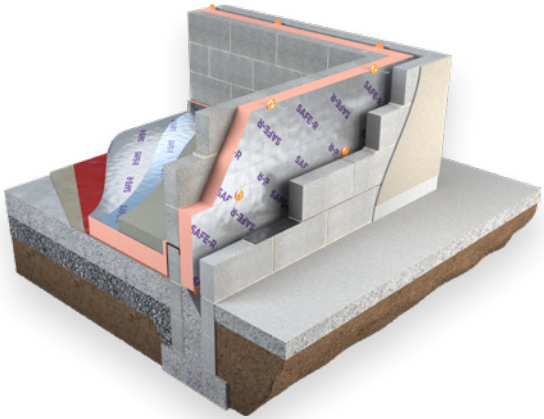
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

SAFE-R PHENOLIC INSULATION
Partial Fill Cavity Walls

Lambda value as low as **0.020 W/mK**

SR/CW

Safe-R Partial Fill Cavity Wall Insulation for traditional masonry walls, achieves excellent U-Values whilst maintaining a residual cavity, offering protection from wind driven rain.



Key Features
Verified EPD available
Reaction to Fire (Euroclass) D-s1, d0
Clear Cavity Maintained
Protection from Wind Driven Rain
Lower Lambda value for improved U-Values

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Low emissivity foil facings
Core	Phenolic Insulation
Board Size	1200mm x 450mm
Board Thickness	50, 60, 75, 80, 100mm
Board Profile	Square Edge

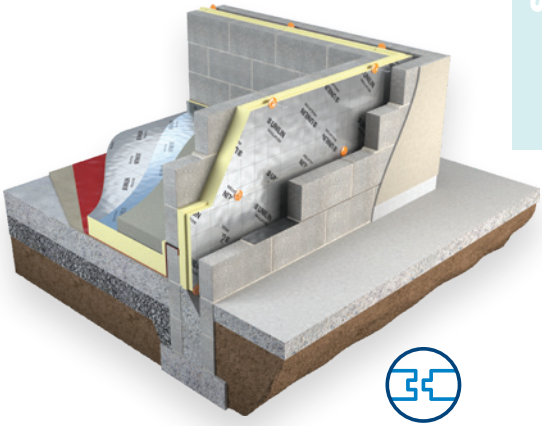
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

THIN-R PIR INSULATION
Partial Fill Cavity Walls

XT/CW (T&G)

Thin-R Partial Fill Cavity Wall (T&G) builds to a system thanks to its engineered tongue and grooved joints and pre-formed corners, ensuring insulation continuity and minimisation of Thermal Bridging.

XT/CW is also available as a straight edge board.



TONGUE & GROOVE JOINTING

Key Features
Robust Tongue & Groove Jointing
Corner Panels & Cavity Closers: Reduced Thermal Bridging
Verified EPD available
Clear cavity maintained
No exposure restrictions
Low emissivity foil facings

Specifications	
Thermal Conductivity	0.022 W/mK
Facings	Low emissivity foil facings
Core	PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	60, 70, 80, 90, 100, 110, 120, 125mm
Board Profile	Tongue & Groove

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

SAFE-R PHENOLIC INSULATION
Drylining Walls Fixed with Adhesive Dabs

Lambda value as low as **0.020 W/mK**

SR/TB

Safe-R Thermal Board (Dot & Dab) is a composite insulated panel of phenolic insulation core with a glass tissue facing bonded to 12.5mm tapered edge plasterboard for internal applications, fixed with proprietary adhesive bonding.

The product should be installed with the joints sealed and taped in accordance with drylining best practice.

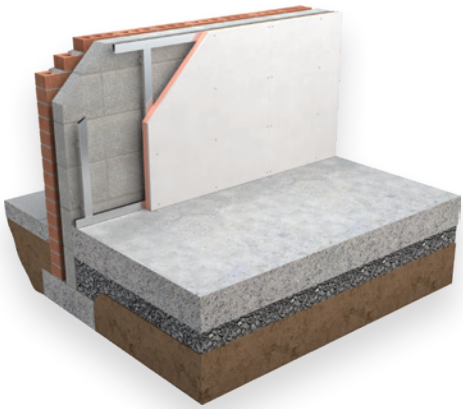
Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1, d0
Responsive insulation system
High levels of insulation and drylining in one fix
Suitable for new build and renovation

Specifications	
Thermal Conductivity	0.020 - 0.023 (W/mK) (Phenolic only)
Facings	Glass Tissue/Plasterboard
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	37.5, 50.5, 62.5, 72.5, 82.5mm (Thickness includes 12.5mm plasterboard)
Board Profile	Square Edge
Plasterboard	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

SAFE-R PHENOLIC INSULATION
Drylining Walls – Mechanically Fixed

Lambda value as low as **0.020 W/mK**



SR/TB-MF

Safe-R Thermal Board (Mechanically Fixed) is a composite insulated panel of phenolic insulation core with a composite foil facing bonded to 12.5mm tapered edge plasterboard for internal walls, sloped roofs and ceilings. SR/TB-MF is only suitable for mechanically fixed applications.

The product should be installed with the joints sealed and taped in accordance with drylining best practice.

Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1, d0
Insulation and drylining in one application
Reduced insulation thickness
Suitable for a variety of wall types
Cost Effective Solution in refurbishment and new build

Specifications	
Thermal Conductivity	0.020 - 0.023 (W/mK) (Phenolic only)
Facings	Composite Foil/Plasterboard
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	37.5, 52.5, 62.5, 72.5, 82.5mm (Thickness includes 12.5mm plasterboard)
Board Profile	Square Edge
Plasterboard	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

THIN-R PIR INSULATION
Drylining Walls Fixed with Adhesive Dabs

XT/TL

Thin-R Thermal Liner (Dot & Dab) is a composite insulated panel of Unilin PIR insulation core with a composite kraft facing bonded to 12.5mm tapered edge plasterboard for internal applications, fixed with proprietary adhesive bonding.

Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1, d0
Insulation & Drylining in one application
Provides effective vapour control layer
Reduced insulation thickness
Suitable for a variety of wall types
Cost effective solution in refurbishment and new build

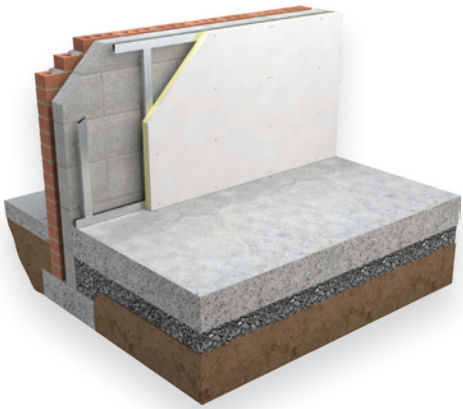
Specifications	
Thermal Conductivity	0.022 W/mK
Facings	Composite Kraft/Plasterboard
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	37.5, 50.5, 62.5, 72.5, 82.5 and 92.5mm (Thickness includes 12.5mm plasterboard)
Board Profile	Square Edge
Plasterboard	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Drylining Walls – Mechanically Fixed

XT/TL-MF

Thin-R Thermal Liner (Mechanically Fixed) is a composite insulated panel of Unilin PIR insulation core with a composite foil facing bonded to 12.5mm tapered edge plasterboard for internal walls, sloped roofs and ceilings. This product is only suitable for mechanically fixed applications.



Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1, d0
Insulation & Drylining in one application
Provides effective vapour control layer
Reduced insulation thickness
Suitable for a variety of wall types
Cost effective solution in refurbishment and new build

Specifications	
Thermal Conductivity	0.022 W/mK
Facings	Composite Foil/Plasterboard
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	37.5, 42.5, 52.5, 62.5, 72.5, 82.5, 92.5, 102.5, 112.5mm (Thickness includes 12.5mm plasterboard)
Board Profile	Square Edge
Plasterboard	Tapered Edge

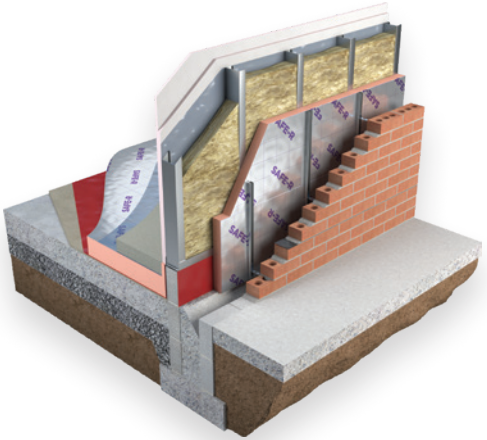
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

SAFE-R PHENOLIC INSULATION
Steel & Timber Frame

Lambda value as low as **0.020 W/mK**

SR/FB

Safe-R Framing Board is designed for use with steel or timber frame applications up to 11m in height. With a Euroclass C Fire Classification the framing board can be used between studs or as an insulated sheathing board. Using Safe-R Framing Board provides excellent U-Values and improved Thermal Bridging detailing.



The use of combustible insulation is restricted on high buildings and buildings of a certain use. Regulations will differ regionally. Seek the guidance of the project architect or engineer before proceeding.

Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s1, d0
Suitable for use in steel and timber frame systems up to 11m in height
Lower lambda value for improved U-Values
Reduced Thermal Bridging

*Combustible materials have height restrictions. Please contact our Technical Team for more information.

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Low emissivity foil facings
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100, 120, 140mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

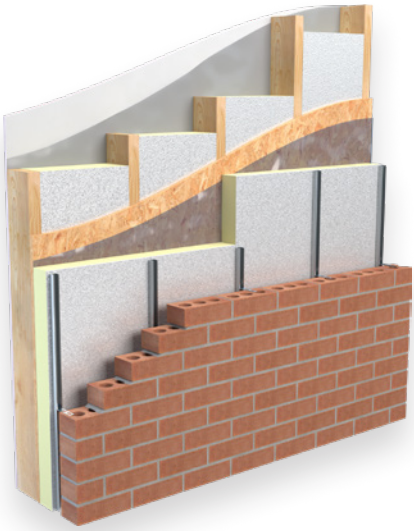
XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Steel & Timber Frame

Lambda value as low as **0.021 W/mK**

XO/FB

XtroLiner Framing Board is designed for use in a wide range of construction including steel or timber frame applications up to 11m in height. The framing board can be used between studs or as an insulated sheathing board. Using XtroLiner Framing Board in this application will reduce the Thermal Bridging of the steel or timber studs.

The use of combustible insulation is restricted on high buildings and buildings of a certain use. Regulations will differ regionally. Seek the guidance of the project architect or engineer before proceeding.



Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
Suitable for use in steel and timber frame system
Lower lambda value for improved U-Values
Suitable for new build and renovation up to 11m in height
Reduced Thermal Bridging
Robust textured foil

*Combustible materials have height restrictions. Please contact our Technical Team for more information.

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust low emissivity foil facings
Core	Superior Performance PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100, 120, 140mm
Board Profile	Square Edge

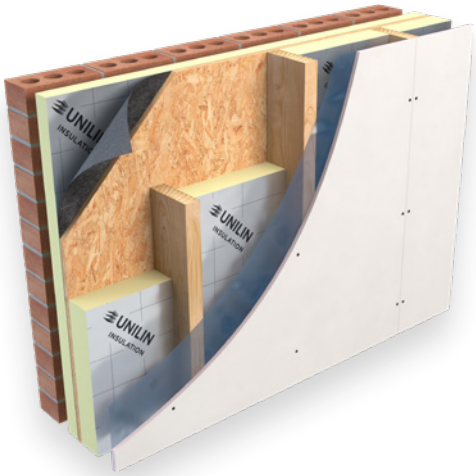
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Timber Framed Walls

XT/TF

Timber Frame construction is a fast, systematic method that results in high performing buildings with regard to energy efficiency and in environmental terms.

Unilin's Timber Frame Systems bring timber framed wall insulation performance to new levels, surpassing the default values asked for in current building regulations. Using this product in timber framed walls helps achieve Future Homes Standard and Passive House Standards.



Key Features
Verified EPD available
Rapid build system
Approved for use with fibre in stud
Suitable for new build and renovation
Reduced insulation thickness
Low emissivity foil facings

Specifications	
Thermal Conductivity	0.022 W/mK
Facings	Low emissivity foil facings
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 30, 40, 50, 60, 70, 75, 80, 90, 100, 110, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

PITCHED ROOFS

Pitched Roofs

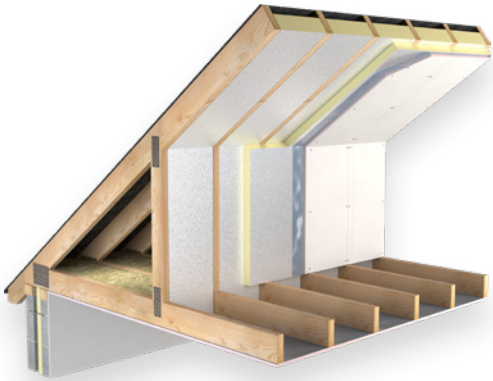
ECO360 BIO-ENHANCED PIR INSULATION
Pitched Roofs

Lambda value as low as **0.020 W/mK**

ECO/MA

Bio-enhanced, superior performance PIR insulation suitable for pitched roofs (ventilated, hybrid or warm). ECO360 MA for roofs offers excellent insulation performance with a thermal conductivity as low as 0.020 W/mK.

Using pioneering environmentally conscious technology, ECO360 MA in roof applications will reduce heat loss while also delivering excellent Thermal Bridging details.



Key Features
Bio-enhanced PIR insulation
Halogen free
Enhanced performance as low as 0.020 W/mK
Bio-degradable packaging – Reduced packaging materials
High compressive strength

Specifications	
Thermal Conductivity	As low as 0.020 W/mK
Facings	Textured robust low emissivity foil facings
Core	Bio-enhanced PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 100, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

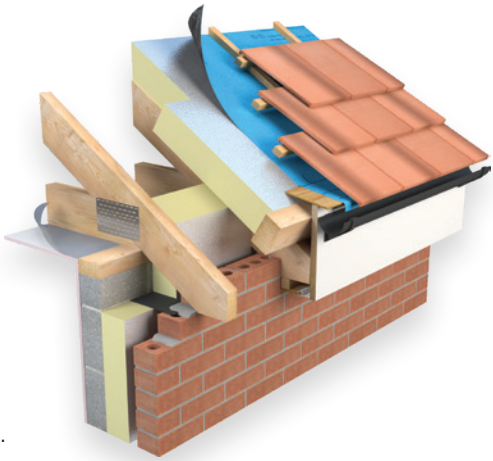
ECO360 BIO-ENHANCED PIR INSULATION
Sarking Warm Roof Construction

Lambda value as low as **0.020 W/mK**

ECO/MA

Bio-enhanced, superior performance PIR insulation suitable for sarking. ECO360 MA for sarking offers excellent insulation performance with a thermal conductivity of 0.020 W/mK.

This bio-enhanced insulation will significantly improve the U-Value of new and existing roofs. It is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for roofs insulation.



Key Features
Bio-enhanced PIR insulation
Halogen free
Enhanced performance as low as 0.020 W/mK
Bio-degradable packaging – Reduced packaging materials
High compressive strength
Suitable for pitched roofs

Specifications	
Thermal Conductivity	0.020 W/mK
Facings	Textured robust low emissivity foil facings
Core	Bio-enhanced PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	100, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

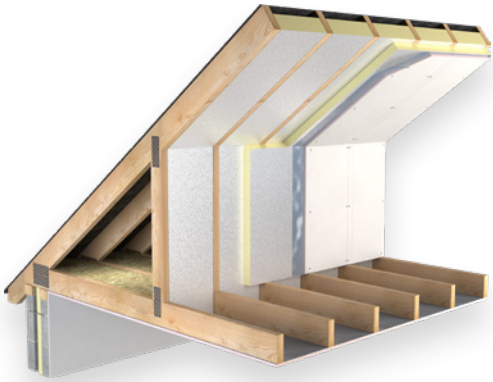
XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Pitched Roofs

Lambda value as low as **0.021 W/mK**

XO/PR

XtroLiner Pitched Roof on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using XtroLiner Pitched Roof will reduce heat loss while also delivering excellent Thermal Bridging details.



Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
Reduces intrusion into living area
Reduced risk of condensation
Robust foil facings
Lightweight and easy to install
Reduced Thermal Bridging

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust low emissivity foil facings
Core	Superior Performance PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 40, 50, 60, 70, 75, 80, 100, 120mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

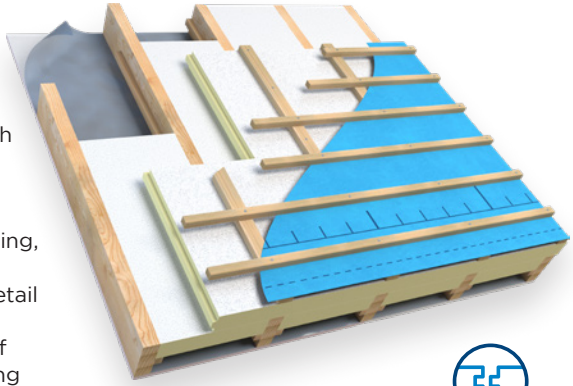
XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Sarking Warm Roof Construction

Lambda value as low as **0.021 W/mK**

XO/SK (T&G)

XtroLiner Sarking (T&G) is an engineered tongue and grooved external roof insulation system with robust facings which meets the passive U-Value of 0.15 W/m²K.

Using this product improves detailing, speeds up the installation process and provides a uniform plane to detail more effectively. Creating a warm roof reduces the normal amount of junctions prone to Thermal Bridging greatly improving the thermal performance of the roof.



TONGUE & GROOVE JOINTING

Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
Robust tongue & groove jointing
Reduced risk of condensation
Avoids intrusion into living area
Excellent U-Value in roofs
Reduced Thermal Bridging

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust low emissivity foil facings
Core	Superior Performance PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 75, 100, 125mm
Board Profile	Tongue & Groove

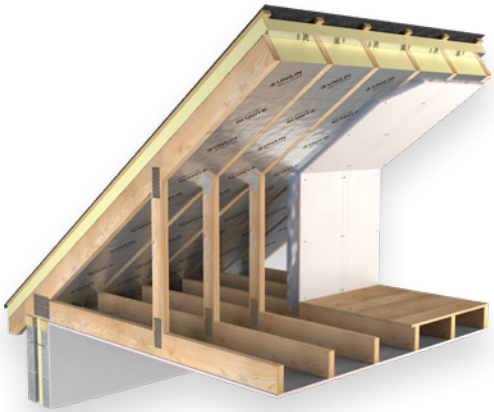
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Pitched Roofs

XT/PR_UF (ROOFS)

Thin-R Pitched Roof on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using this product will reduce heat loss while also delivering excellent Thermal Bridging details.



Key Features
Verified EPD available
Avoids intrusion into living area
Reduced risk of condensation
Low emissivity foil facings
Lightweight and easy to install
Reduced Thermal Bridging

Specifications	
Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Low emissivity foil facings
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 30, 40, 50, 60, 70, 75, 80, 90, 100, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

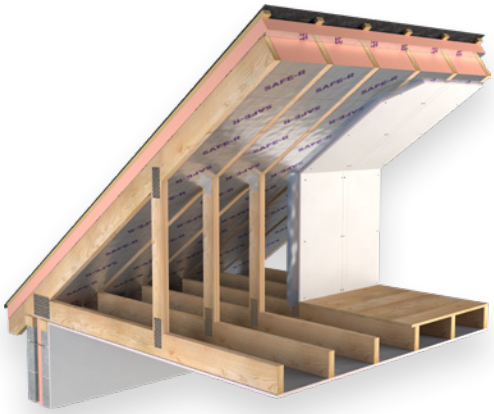
SAFE-R PHENOLIC INSULATION
Insulation for Pitched Roofs

Lambda value as low as **0.020 W/mK**

SR/PR

Safe-R Pitched Roof on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using SR/PR will reduce heat loss while also delivering excellent thermal bridging details.

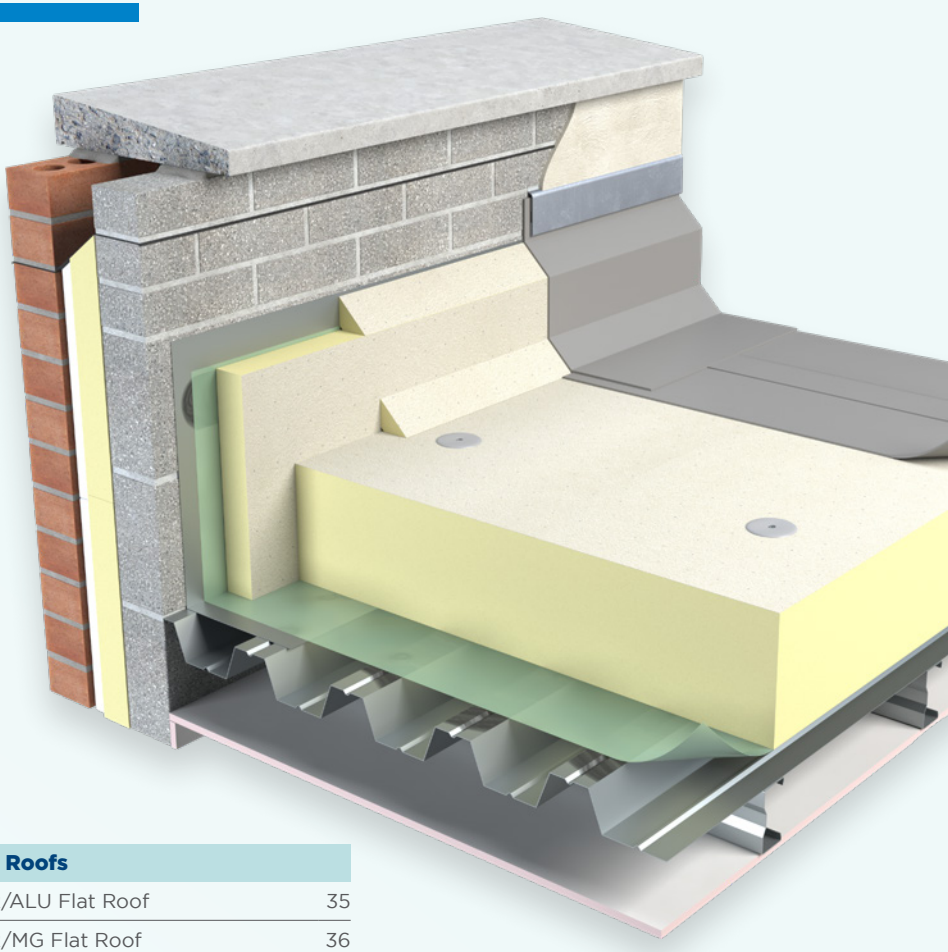


Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s1, d0
Avoids intrusion into living Area
Reduced risk of condensation
Lightweight and easy to install
Reduced Thermal Bridging

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Low emissivity foil facings
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

FLAT ROOFS

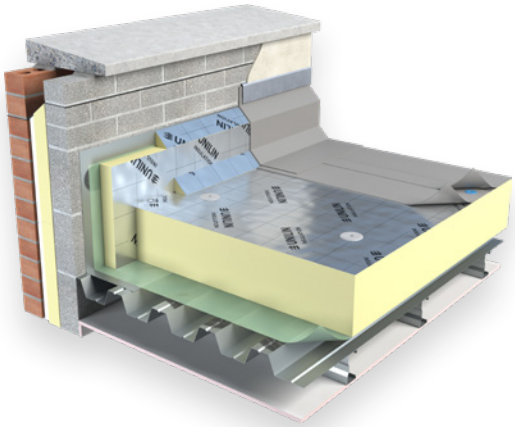


Flat Roofs

THIN-R PIR INSULATION
Mechanically Fixed Single Ply Waterproofing Systems

FR/ALU

Flat Roof ALU is a high performance Polyisocyanurate flat roof insulation with vapour-tight aluminium foil facings suitable for use with single ply membranes. Flat Roof ALU is part of the comprehensive range of Unilin's high performance flat roof boards providing total solutions for flat roof projects.



Key Features
Verified EPD available
High Thermal Performance
Compatible with mechanically fixed single ply systems. Loose laid ballasted systems
Vapour resistant foil facers

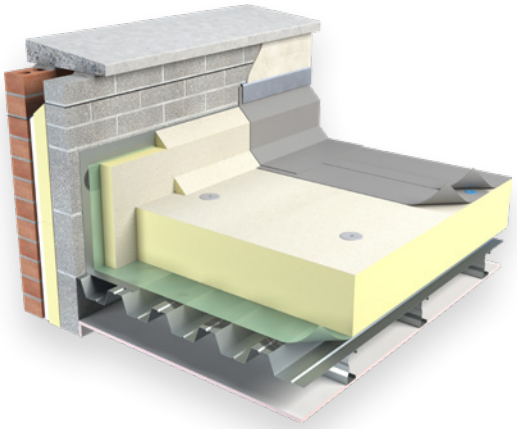
Specifications	
Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Vapour-Resistant aluminium foil facings
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 30, 40, 50, 60, 70, 75, 80, 90, 100, 110, 120, 125, 130, 140, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Single Ply Fully Adhered/ Partially Bonded Built-Up Felt Systems

FR/MG

Flat Roof MG is a high performance Polyisocyanurate flat roof insulation with mineral coated glass facers suitable for use below single ply waterproofing systems (mechanically fixed or fully adhered) and partially bonded built-up felt.



Key Features
Verified EPD available
High Thermal Performance
Compatible with adhesively bonded single ply roofing membranes laid on mechanically fixed or adhered boards

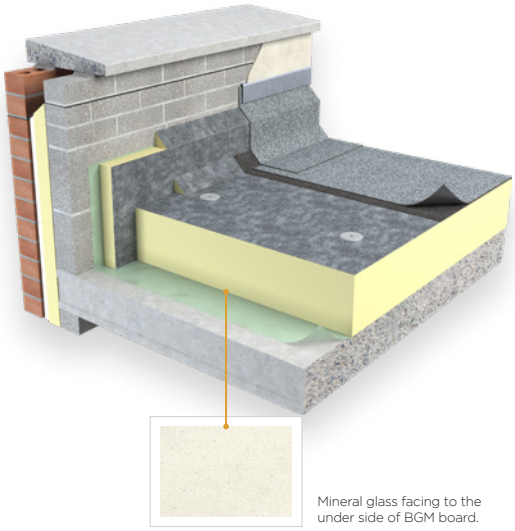
Specifications	
Thermal Conductivity	0.024 - 0.027 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Mineral Glass
Core	PIR Insulation
Board Size	1200mm x 1200mm
Board Thickness	25, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Partially Bonded, Torched-on, Built-up Bituminous Felt Systems

FR/BGM

Flat Roof BGM is faced with a polypropylene fleece finished bitumen/glass working surface and a mineral glass facing to the under side. Flat Roof BGM is part of Unilin's comprehensive range of high performance flat roof boards providing total solutions for flat roof projects.



Mineral glass facing to the under side of BGM board.

Key Features
Verified EPD available
High Thermal Performance
Compatible with most bituminous based roofing systems
Fleece finished bitumen/glass fibre facings

Specifications	
Thermal Conductivity	0.024 - 0.027 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Bitumen Glass/Mineral Glass
Core	PIR Insulation
Board Size	1200mm x 1200mm
Board Thickness	25, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Thermal Ply High Performance PIR & Plywood Composite for Flat Roofs

FR/TP

Unilin Thermal Ply is a composite insulated panel of Unilin Polyisocyanurate core with a composite foil facer, bonded to 6mm WBP grade plywood. Thermal Ply is designed to provide high levels of thermal insulation and decking in one operation for new and refurbishment flat roof applications.

Key Features
A verified EPD is available for the product insulation
Insulation & decking in one fix
For new & refurbishment roofs
Rapid weather proofing

Specifications	
Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Composite foil facing/6mm WBP Grade Plywood
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	56, 76, 86, 96, 106, 116mm
Board Profile	Square Edge

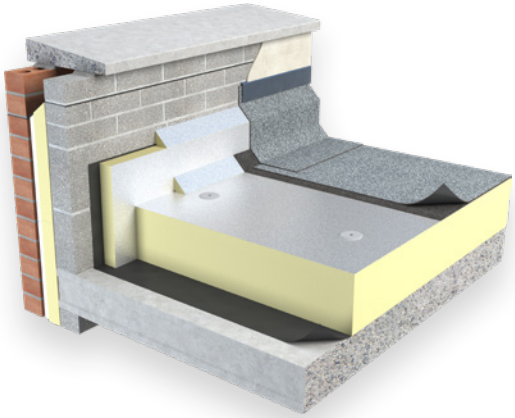
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

XTROLINER SUPERIOR PERFORMANCE PIR INSULATION

Partially Bonded, Self Adhered, Built-up Bituminous Felt Systems

XO/XD

XtroDeck is faced with an embossed aluminium facing on both sides. XtroDeck is part of Unilin's comprehensive range of high performance flat roof boards providing total solutions for flat roof projects.

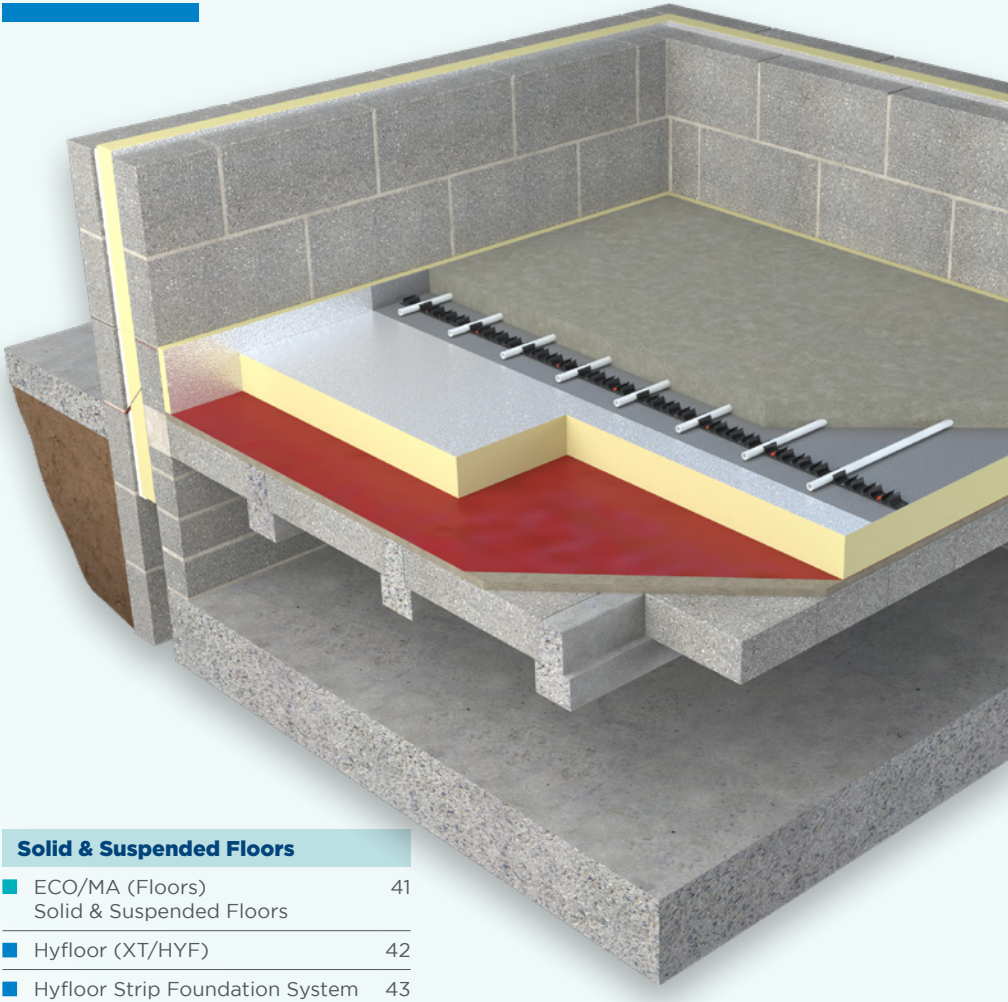


Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
Superior Performance PIR Insulation
Compatible with most bituminous based roofing systems containing self adhered underlays with heat activated cap sheets

Specifications	
Thermal Conductivity	0.021 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Robust low emissivity foil facings
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

FLOORS



Solid & Suspended Floors

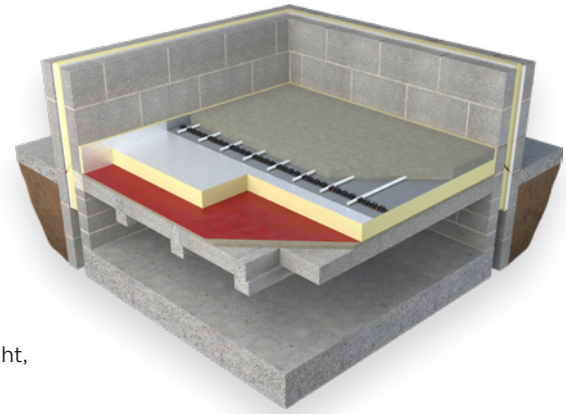
ECO360 BIO-ENHANCED PIR INSULATION
Solid & Suspended Floors

Lambda value as low as **0.020 W/mK**

ECO/MA

Bio-enhanced, superior performance PIR insulation suitable for solid and suspended floors. ECO360 MA for floors offers excellent insulation performance with a thermal conductivity of 0.020 W/mK.

This bio-enhanced insulation will significantly improve the U-Value of new and existing floors. It is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.



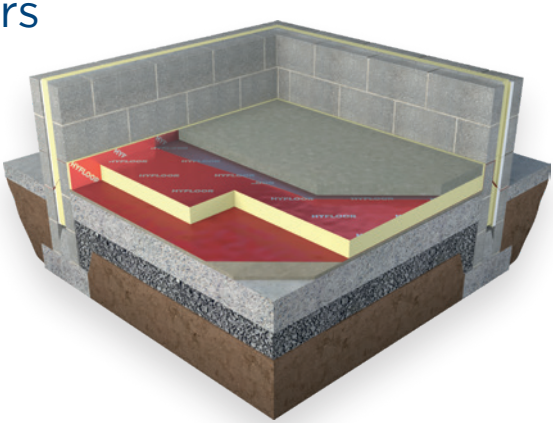
Key Features
Bio-enhanced PIR insulation
Halogen free
Enhanced performance as low as 0.020 W/mK
Bio-degradable packaging
High compressive strength
Suitable for underfloor heating

Specifications	
Thermal Conductivity	0.020 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Robust low emissivity foil facings
Core	Bio-enhanced PIR Insulation
Board Size Compressive strength added	2400mm x 1200mm
Board Thickness	100, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PLUS ENHANCED PIR INSULATION
Ground Supported & Suspended Floors

Lambda value as low as **0.021 W/mK**



HYFLOOR (XT/HYF)

The floor in any building is an area of considerable downward heat loss when not properly insulated. Unilin has developed Hyfloor insulation as the answer to achieve lower U-Values – in a practical and robust manner.

Hyfloor has a superior thickness to performance ratio, allowing the lower targets required under Building Regulations to be achieved with minimum thickness.

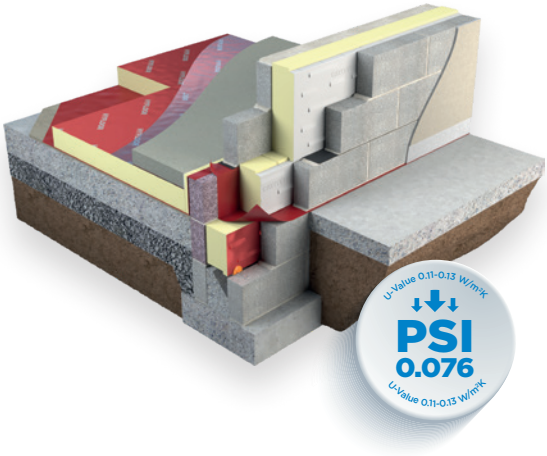
Key Features
Verified EPD available
Excellent 0.021 W/mK Lambda value
High compressive strength
Suitable for underfloor heating
Perimeter strips for robust detailing
Reduced insulation thickness

Specifications	
Thermal Conductivity	0.021 W/mK
Compressive Strength	CS (10\Y) 140
Facings	Composite Foil/Engineered Hips
Core	Enhanced PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	75, 100, 125, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PLUS ENHANCED PIR INSULATION
Ground Supported & Suspended Floors

Lambda value as low as **0.021 W/mK**



HYFLOOR STRIP FOUNDATION SYSTEM

Hyfloor Strip Foundation System provides U-Value and Thermal Bridging performance to meet Future Homes Standard along with assurance of compressive strength at foundation level.

Key Features
Addresses site detailing from an early stage
Y-Values achieved < 0.05
U-Values achieved 0.11- 0.13 W/m²k
Using blocks suitable for multi storey buildings with a high compressive strength
Complies with standard construction ACDs
Traditional construction, avoiding the need for engineering assurances
Suitable for use with built-in full fill and partial fill wall insulation

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust low emissivity foil facings
Core	Enhanced PIR Insulation
Board Size	225mm & 450mm (H)
Board Thickness	75, 100, 125, 150mm
Board Profile	Rebate

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

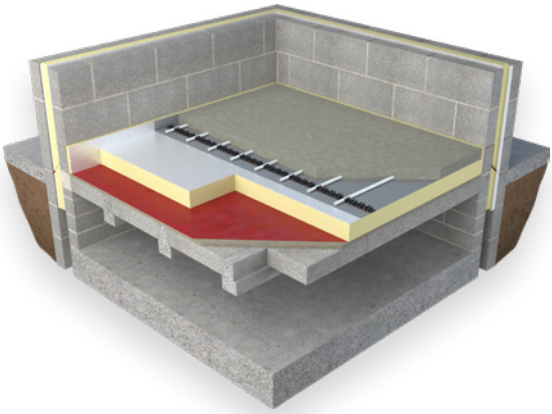
XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Solid & Suspended Floors

Lambda value as low as **0.021 W/mK**

XO/UF

XtroLiner Underfloor superior performance PIR offers excellent insulation performance with a thermal conductivity of 0.021 W/mK. The floor in any building is an area of considerable downward heat loss when not properly insulated.

XtroLiner Underfloor will significantly improve the U-Value of new and existing floors. It is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.

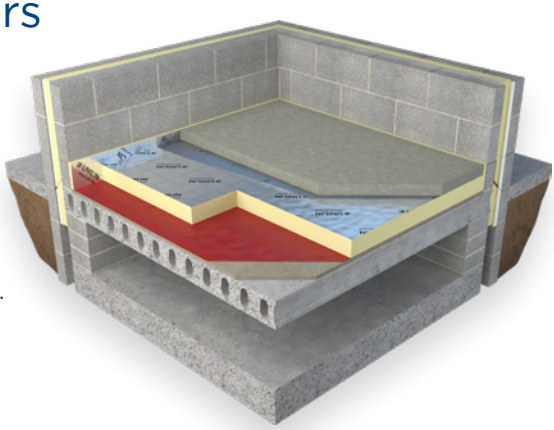


Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s2, d0
High compressive strength
Suitable for underfloor heating
Perimeter strips for robust detailing
Reduced insulation thickness
Robust textured foil

Specifications	
Thermal Conductivity	0.021 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Robust low emissivity foil facings
Core	Superior Performance PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100, 120, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Ground Supported & Suspended Floors



XT/PR_UF (FLOORS)

The floor in any building is an area of considerable downward heat loss when not properly insulated. Thin-R Underfloor will significantly improve the U-Value of new and existing floors.

Thin-R Underfloor is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.

Key Features
Verified EPD available
High compressive strength
Suitable for underfloor heating
Perimeter strips for robust detailing
Reduced insulation thickness
Low emissivity foil facings

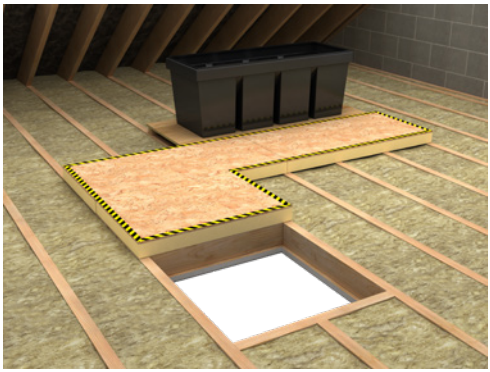
Specifications	
Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Low emissivity foil facings
Core	PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	25, 30, 40, 50, 60, 70, 90, 100, 110, 125, 140, 150mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION
Insulated Loft Decking

XT/WALK-R

Thin-R Loft Decking Walk-R is a composite of high performance PIR insulation with tough OSB board that provides safe access into insulated roof spaces. Walk-R maintains very high insulation values and complies with health and safety guidelines.



Key Features
A verified EPD is available for the product insulation
Safe access to attic space
High thermal performance
Complies with health and safety guidelines
Easy to install
Lightweight

Specifications	
Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Low emissivity foil facings/OSB Board
Core	PIR Insulation
Board Size	1200mm x 600mm
Board Thickness	86mm (75mm PIR + 11mm OSB Board)
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

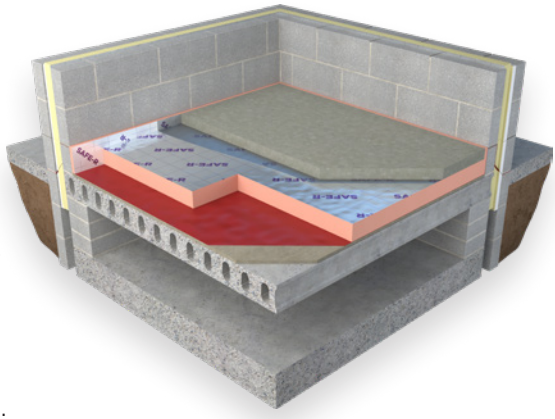
SAFE-R PHENOLIC INSULATION
Solid & Suspended Floors

Lambda value as low as **0.020 W/mK**

SR/UF

Safe-R Underfloor is a superior performance rigid phenolic insulation with low emissivity aluminium facings both sides and has a thermal conductivity as low as 0.020 W/mK, delivering excellent U-Values in floors.

The floor in any building is an area of considerable downward heat loss when not properly insulated. Safe-R Underfloor will significantly improve the U-Value of new and existing floors.

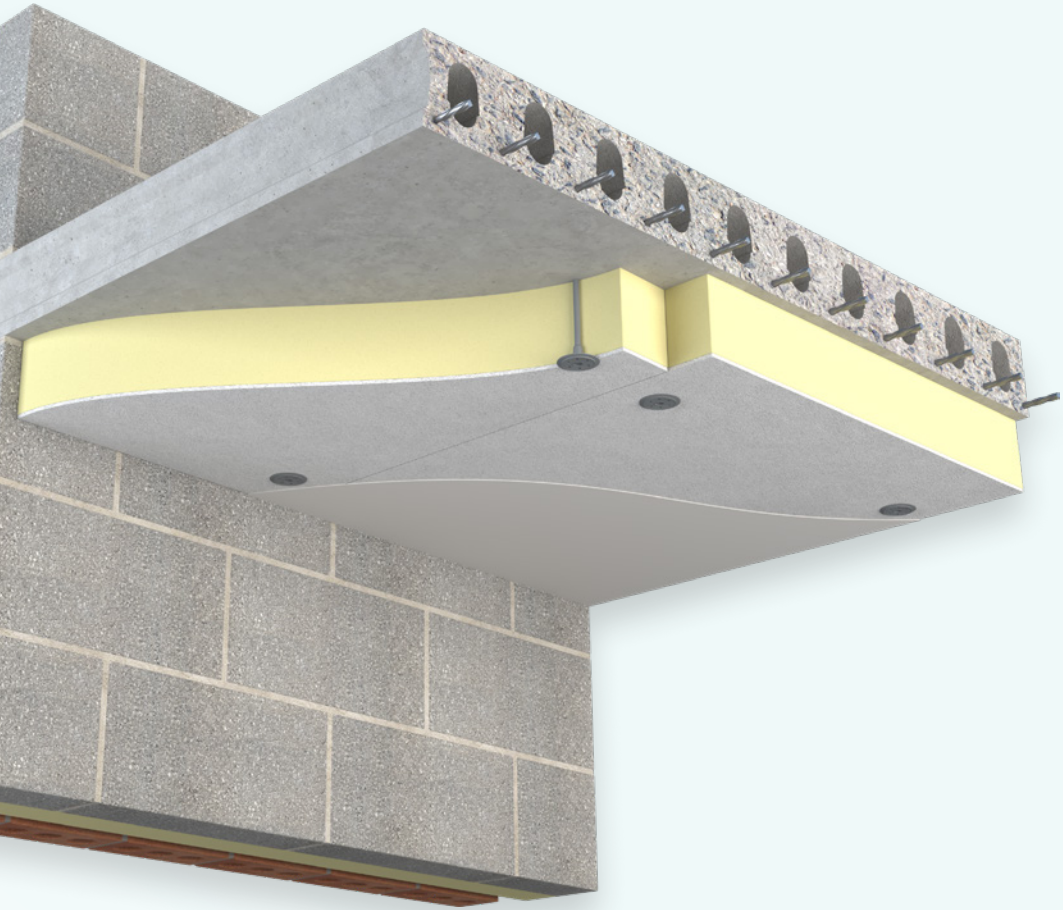


Key Features
Verified EPD available
Reaction to Fire (Euroclass) D-s1, d0
Suitable for underfloor heating
Perimeter strips for robust detailing
Reduced insulation thickness
Lower lambda values for improved U-Values

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Compressive Strength	CS (10\Y) 120
Facings	Low emissivity foil facings
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100, 120mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

SOFFITS



SAFE-R PHENOLIC INSULATION
Soffit Application

Lambda value as low as **0.020 W/mK**

SR/ST

Safe-R Soffit provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings. This high performance phenolic insulation board is faced with low emissivity foil facings.

Safe-R Soffit Board is supplied as a performance, rather than a decorative product. Refer to Safe-R Soffit Plus, a high performance laminate that offers low maintenance and security protection with a surface that will accept a decorative finish.

Key Features
Verified EPD available
Reaction to Fire (Euroclass) C-s1, d0
Foil faced finish
Reduced Thermal Bridging
Lower lambda value for improved U-Values

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Low emissivity foil facings
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 75, 80, 100, 120mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
Thermal conductivity may vary with thickness

SAFE-R PHENOLIC INSULATION
Soffit Application

Lambda value as low as **0.020 W/mK**

SR/STP

Safe-R Soffit Plus provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings.

The high performance phenolic insulation board, with low emissivity aluminium foil facings, is adhesively bonded to a 6mm building panel which offers a secure finish for ease of maintenance to which a decorative finish may be applied.

Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1, d0
Impact resistant 6mm building panel
Accepts decorative finish
Reduced Thermal Bridging
Lower lambda value for improved U-Values

Specifications	
Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Composite foil/6mm building panel
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness*	56, 66, 81, 86, 106, 126mm
Board Profile	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
*6mm building panel included in thickness
Thermal conductivity may vary with thickness

XTROLINER SUPERIOR PERFORMANCE PIR INSULATION
Soffit Application

Lambda value as low as **0.021 W/mK**

XO/STP

XtroLiner Soffit Plus provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings.

The high performance modified PIR insulation board, with low emissivity textured aluminium foil facings, is adhesively bonded to a 6mm building panel which offers a secure finish for ease of maintenance to which a decorative finish may be applied.

Key Features
A verified EPD is available for the product insulation
Reaction to Fire (Euroclass) B-s1,d0
High impact resistant 6mm building panel
Accepts a decorative finish
Reduced Thermal Bridging
Lower lambda value for improved U-Values

Specifications	
Thermal Conductivity	0.021 W/mK
Facings	Robust foil facings/6mm building panel
Core	Superior Performance PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness*	56, 66, 81, 86, 106, 126mm
Board Profile	Square Edge

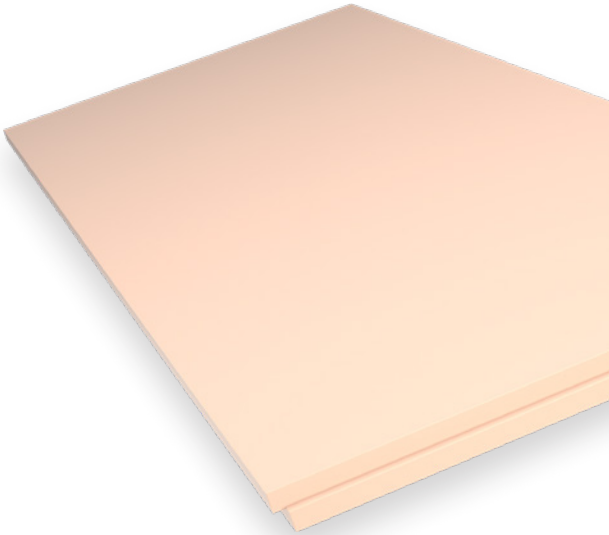
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details
*6mm building panel included in thickness

XPS EXTRUDED POLYSTYRENE INSULATION

XPS

XPS is a high performance rigid extruded polystyrene insulation board providing a durable thermal solution to technically demanding applications where high compressive loading is a requirement.

This product is ideally suited for use in commercial, industrial and cold storage areas where vehicular traffic and loading is an issue.



Key Features
Ideally suited for use in highly loaded and trafficked floors, basement walls and inverted roofs
Available as XPS 300 (300 kPa), XPS 500 (500 kPa) and XPS 700 (700 kPa)

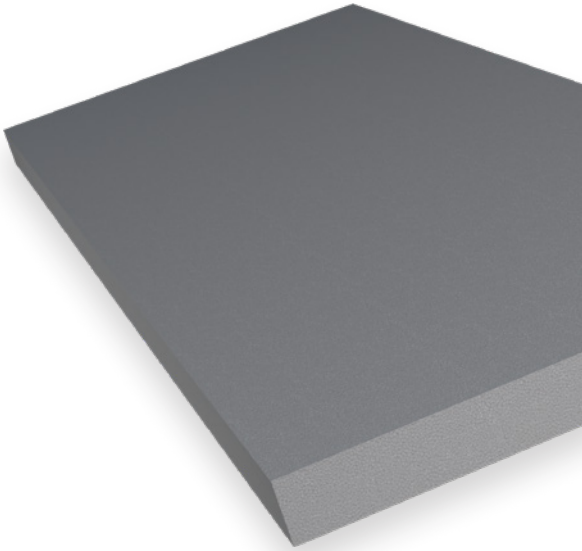
Specifications	
Thermal Conductivity	0.033 - 0.035 (W/mK)*
Board Size	1250 x 600mm
Board Thickness	30, 40, 50, 60, 80, 100, 120mm
Board Profile	Rebated Edge

XPS 300 available in 140mm and 160mm subject to quantity and lead time.
*Thermal conductivity is dependent on product thickness

EPS EXPANDED POLYSTYRENE INSULATION

EPS

The Unilin Hytherm & Warm-R Insulation boards consist of rigid polystyrene boards cut from moulded blocks of white EPS Hytherm or with grey graphite enhanced EPS Warm-R.



Key Features
Verified EPD available
Extensive range of thicknesses
Available in 70 kPa or 100 kPa

Verified EPDs available		
Thermal Conductivity	0.031 W/mK	Warm-R SD E Grey Warm-R Premium HD E Grey Warm-R SD E Grey EWB
	0.035 W/mK	Hytherm HD White & Hytherm HD E White
	0.038 W/mK	Hytherm SD White
Core	Expanded Polystyrene	
Board Size	2400mm x 1200mm 1800mm x 1200mm	
Board Thickness	Various	
Board Profile	Straight Edge	

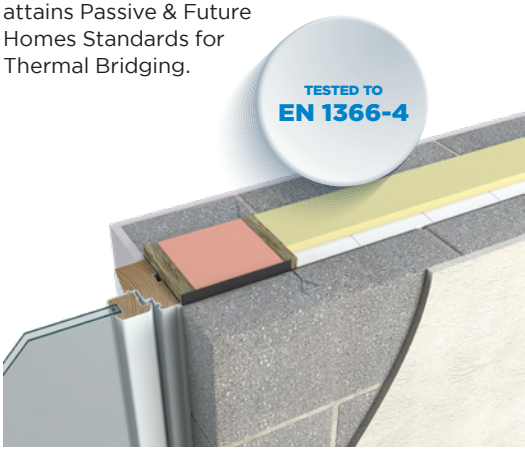
*Thermal conductivity is dependent on product thickness

SAFE-R CAVITY CLOSERS

SAFE-R CLOSE-R

A high performance EN fire-rated cavity closer providing compliance with structural and thermal regulations. Structural failures in cavity walls are largely due to the incorrect placement of wall ties within the cavity. Openings at windows and doors require additional wall ties to be placed at a maximum 225mm into the cavity at every course of block. It is also a requirement under Approved Document A (England and Wales) that additional wall ties must be placed at gable end openings and either side of expansion joints.

These extra structural ties interrupt the continuity of the insulation layer and increase Thermal Bridging issues at very vulnerable areas, with mould growth most evident at reveals. Safe-R Close-R achieves an excellent fire rating and allows for the correct placement of wall ties to meet Approved Document A (England and Wales) structural requirements. The superior insulation performance attains Passive & Future Homes Standards for Thermal Bridging.



Key Features	
A verified EPD is available for the product insulation	
Achieved in excess of 4 hour fire rating in a 150mm cavity when tested to EN1366-4	
Provides template for wall ties placement	
Ensures continuity of insulation	
Suitable for door, window, eaves and openings	
Suitable for use at expansion joints	
Specifications	
Facings	Plastic encapsulated stonewool
Core	Phenolic Insulation
Board Size	1200mm x 200mm
Suitable for Cavity Widths	100, 125, 150mm*
Board Profile	Square Edge

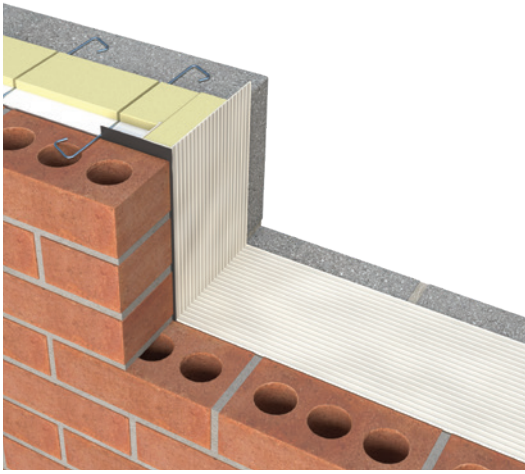
Other thicknesses may be available subject to minimum order quantity and extended lead times.
*Please contact our technical team for further information

CLOSE-R INSULATED CAVITY CLOSER

CLOSE-R

Unilin Close-R fully insulated cavity closers are a cost effective solution for closing cavities around window and door openings, preventing cold bridging, damp penetration, air infiltration and condensation.

The Close-R range is used to close cavities and is suited to all types of windows and doors and is available in sizes to fit cavity widths from 100mm - 150mm, with checked detail to suit brick or drylined specifications and flanged detail to suit block outer facings. (Flanged detailing requires precise construction tolerances.)



Key Features
Saves time and cost effective
Suits 100 - 150mm cavities
Available from Builders Merchants
Reduces thermal bridging around openings

Specifications
For further assistance please contact the Unilin Technical team

Support for Builders

where and when you need it.

We continue to offer personal support through one-to-one consultations to ensure we are always available to assist builders, specifiers and stockists. We also offer CPD Training and online instruction to achieve best practice on your projects.

If we can assist in anyway, please contact Unilin Insulation Technical Support.

Sales: 0371 222 1033
Technical: 0371 222 1055

unilininsulation.co.uk

Handling, Cutting & Storage

Unilin insulation should be stored off the ground, on a clean, flat surface and must be stored under cover. The polythene wrapping is not considered adequate protection for outside exposure. Care should be taken to protect the insulation in storage and during the build process.

The insulation boards can be readily cut using a sharp knife or fine toothed saw. Ensure tight fitting of the insulation boards to achieve continuity of insulation as asked for within the ACDs. Appropriate PPE should be worn when handling insulation. Please refer to Health & Safety data sheets on our website.

The boards are wrapped in polythene packs and each pack is labelled with details of grade/type, size and number of pieces per pack.

Durability
Unilin Insulation products are stable, rot proof, provide no food value to vermin and will remain effective for the lifetime of the building, depending on specification and installation. Care should be taken to avoid contact with acids, petrol, alkalis and mineral oil. When contact is made, clean materials in a safe manner before installation.

Remote Support & Immediate Callback

We provide an immediate callback facility available when you need it. Our expanded Technical Help Desk provides unrivalled immediate support.

Every one of our technical team is trained to the highest industry standards of competency in U-Value calculation and condensation risk analysis with members assessed and certified under the BBA/TIMSA competency scheme.

We are the first company in Ireland to be assessed and certified under the NSAI thermal modelling competency scheme.

Our team and products are certified in Ireland and the UK through the following certifications bodies:

1. BRE Thermal bridging modelling competency certification
2. NSAI Thermal modelling competency scheme
3. TIMSA-BBA competency scheme for U-Value calculation and condensation risk analysis
4. BBA and NSAI certification of the Unilin Insulation insulation boards
5. SAP and DEAP energy assessment

BBA
CERTIFICATE CS/nnnn-4
U Value Competency Scheme

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