

PRODUCT HANDBOOK

Insulation for:

Walls

Floors

Roofs

Soffit



RENOVATE / INSULATE



When you upgrade your insulation, you can expect to enjoy improved energy efficiency and a more comfortable environment.

By choosing Unilin Insulation as your renovation partner, you are assured of the best product range and the best technical advice.

We push boundaries to improve people's quality of life by creating **Better Spaces. Better Homes.**

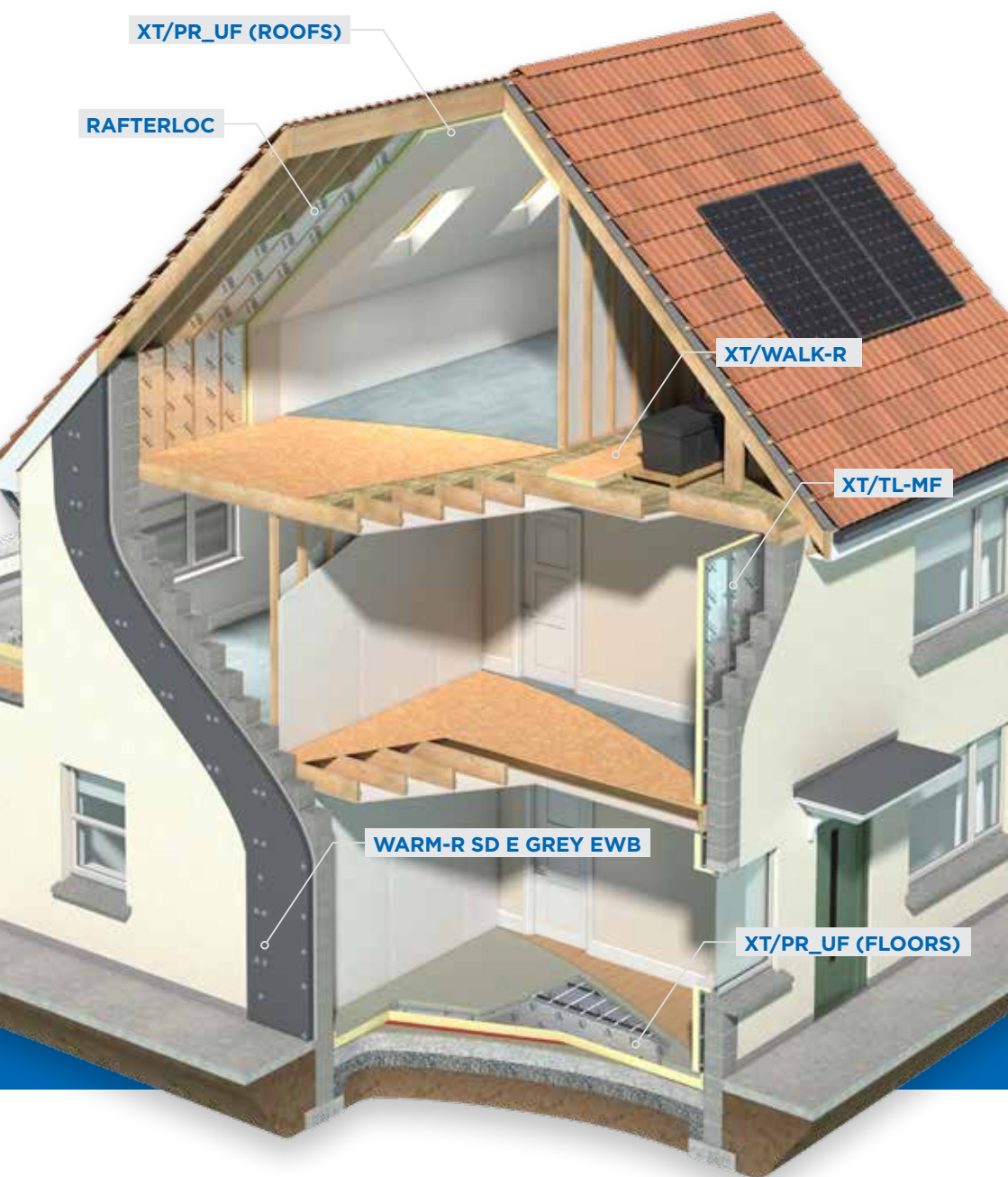
FR/ALU



Solutions for:
Walls, Floors & Roofs

For more information on our Renovation range, please visit:
unilininsulation.ie/betterhomes





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 sustainability strategy



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.



OUR PRODUCTS

Products by Application

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FLOORS

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SOFFITS

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Key

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

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



The information in this brochure is limited. Please visit unilininsulation.ie or contact our Technical team for full details and properties of our products. Pictures of renders are indicative only.

Products by Range

ECO360

BIO-ENHANCED
PIR INSULATION

ECO/CT 9
Walls:
Full Fill Cavity Walls

ECO/CW 10
Walls:
Partial Fill Cavity Walls

ECO/MA (Roofs) 22
Roofs:
Pitched Roofs

ECO/MA (Roofs) 23
Roofs:
Sarking Warm
Roof Construction

ECO/MA (Floors) 34
Floors:
Solid & Suspended Floors

SAFE-R

PHENOLIC
INSULATION

SR/TBFL-MF 15
Walls:
Drylining Walls

SR/FB 18
Walls:
Steel & Timber Frame

SR/ST 39
Soffit:
Soffit Application

SR/STP 40
Soffit:
Soffit Application

CAVITYTHERM

BUILT-IN FULL FILL
PIR WALL INSULATION

CT/PIR 11
Walls:
Full Fill Built-in
Insulation system

XTROLINER

SUPERIOR PERFORMANCE
PIR INSULATION*

XO/XW 12
Walls:
Partial Fill Cavity Walls

XO/XWP 13
Walls:
Partial Fill Cavity Walls

XO/FB 19
Walls:
Steel & Timber Frame

XO/PR 24
Roofs:
Pitched Roofs

XO/SK (T&G) 25
Roofs:
Pitched Roofs

XO/XD 32
Roofs:
Built-up Bituminous Felt
Systems

XO/UF 35
Floors:
Ground Supported
& Suspended Floors

XO/STP 41
Soffit:
Soffit Application

THIN-R

PIR
INSULATION

XT/CW (T&G) 14
Walls:
Partial Fill Cavity Walls

XT/TL 16
Walls:
Drylining Walls
Dot & Dab

XT/TL-MF 17
Walls:
Drylining Walls
Mechanically Fixed

XT/TF 20
Walls:
Timber Framed Walls

XT/PR_UF (Roofs) 26
Roofs:
Pitched Roof

XT/RLOC 27
Roofs:
Pitched Roof

FR/ALU 29
Roofs:
Mechanically Fixed
Single Ply Waterproofing
Systems

FR/MG 30
Roofs:
Single Ply Fully Adhered
/ Partially Bonded Built-
Up Felt Systems

FR/BGM 31
Roofs:
Partially Bonded,
Torch-on, Built-up
Bituminous Felt Systems

XT/PR_UF (Floors) 36
Floors:
Ground Supported
& Suspended Floors

XT/Walk-R 37
Floors:
Loft decking

FOAMGLAS

FOAMGLAS 42
Cellular Glass Insulation

XPS

EXTRUDED POLYSTYRENE
INSULATION

XPS 44
Extruded Polystyrene
Insulation

EPS

EXPANDED POLYSTYRENE
INSULATION

Hytherm/Warm-R 45
Expanded Polystyrene
Insulation

CLOSE-R

INSULATED
CAVITY CLOSER

Safe-R Close-R 46
Insulation Accessories

Close-R 47
Insulation Accessories

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.

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



Partial Fill Cavity Walls

■ ECO/CW Partial Fill Cavity Walls*	10
■ XO/XW Partial Fill Cavity Walls*	12
■ XO/XWP Partial Fill Cavity Walls*	13
■ XT/CW (T&G) Partial Fill Cavity Walls*	14

Built-in Full Fill Walls

■ ECO/CT Full Fill Cavity Walls*	9
■ CT/PIR Full Fill Cavity Walls*	11

Drylining Walls

■ SR/TBFL-MF	15
■ XT/TL Drylining (Dot & Dab)	16
■ XT/TL-MF Drylining (Mech Fixed)	17

Framing Walls

■ SR/FB Framing Board	18
■ XO/FB Framing Board	19
■ XT/TF Timber Frame	20

ECO360 BIO-ENHANCED PIR INSULATION

Full Fill Cavity Walls

Lambda
value
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 composite board of enhanced PIR with a Lambda of 0.020 W/mK for full fill cavity wall applications.



SHIPLAP
JOINTING

Key Features

- Bio-enhanced PIR insulation
- Halogen free
- Enhanced performance 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

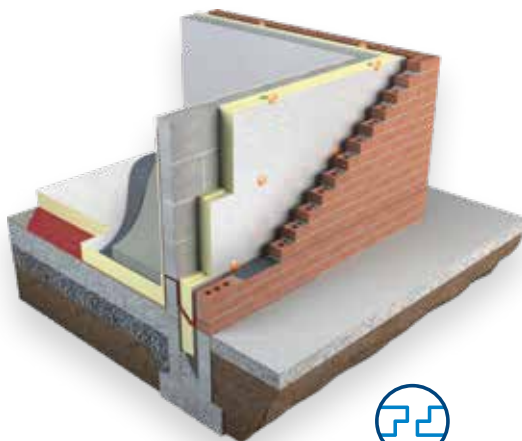
Partial Fill Cavity Walls

Lambda
value
0.020 W/mK

ECO/CW

Cavity Wall 360 is a bio-enhanced partial fill wall insulation system. The system incorporates textured 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/m²K in a traditional cavity wall. When building with Cavity Wall 360 a residual cavity is maintained, offering effective protection against wind-driven rain.



Key Features

- Bio-enhanced PIR insulation
- Halogen free
- Enhanced performance 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	Textured 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

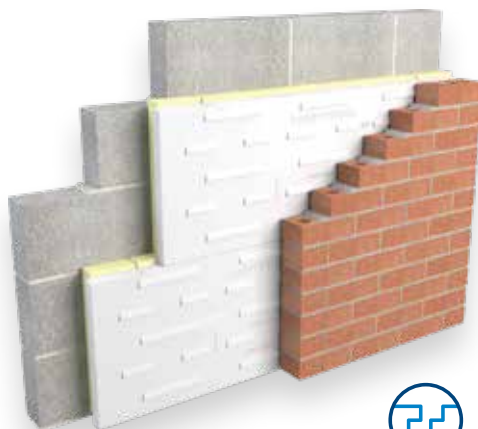
BUILT-IN FULL FILL PIR WALL INSULATION

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 0.13 W/m²K with excellent Thermal Bridging detailing in cavities up to 150mm wide.



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.
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XTROLINER[®] SUPERIOR PERFORMANCE PIR INSULATION*

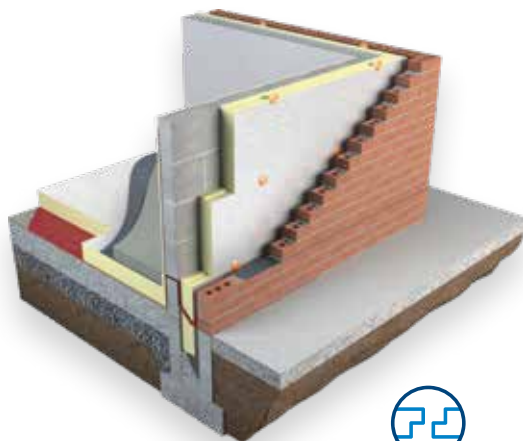
Partial Fill Cavity Walls

Lambda
value as low as
0.021 W/mK

XO/XW

XtroWall is an innovative partial fill wall insulation system incorporating textured facings, engineered jointing details, preformed corners and a certified lambda of 0.021 W/mK.

This lower Lambda improves U-Values and meets Passive house levels, proving a suitable choice for Passive and low energy builds. XtroWall can achieve NZEB Standard in a traditional cavity wall. Building with XtroWall, a residual cavity is maintained, offering effective protection against wind driven rain.



SHIPLAP
JOINTING

Key Features

Verified EPD available

Euroclass E

Corner panels and cavity closers: Reduced Thermal Bridging

Clear cavity Maintained

Lower lambda value for improved U-Values

Textured foil

Specifications

Thermal Conductivity	0.021 W/mK
Facings	Textured foil facings
Core	Superior Performance PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	80, 90, 100mm
Board Profile	Rebate Edge
Preformed Corner	Yes

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.

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*

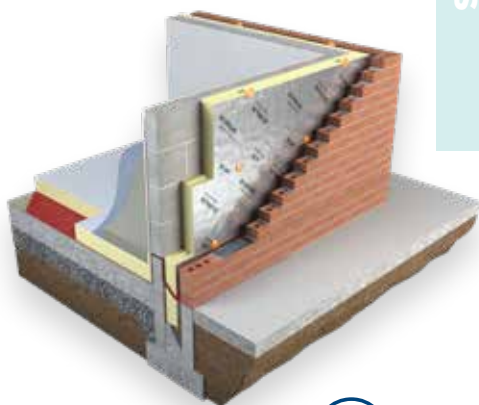
Partial Fill Cavity Walls

Lambda
value as low as
0.020 W/mK

XO/XWP

XtroWall Plus is a superior performance insulation with a Lambda value of 0.020 Wm/K and a Euroclass E fire classification. It is faced with aluminium foil and is available with engineered jointing to deliver improved Thermal Bridging detailing.

This lower Lambda improves U-Values and meets NZEB standards, proving a suitable choice for Passive and low energy builds. XtroWall Plus can achieve a passive U-Value of 0.15 W/m²K in a traditional cavity wall. Building with XtroWall Plus, a residual cavity is maintained, offering effective protection against wind driven rain.



Key Features

Verified EPD available

Achieves 0.15 U-Value in 150mm Cavity

Improved Lambda value 0.020 W/mK

Engineered Jointing

Corner panels and cavity closers: Reduced Thermal Bridging

Clear cavity maintained

Specifications

Thermal Conductivity	0.020 W/mK
Facings	Foil facings
Core	Superior Performance PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	110mm
Board Profile	Rebate Edge
Preformed Corner	Yes

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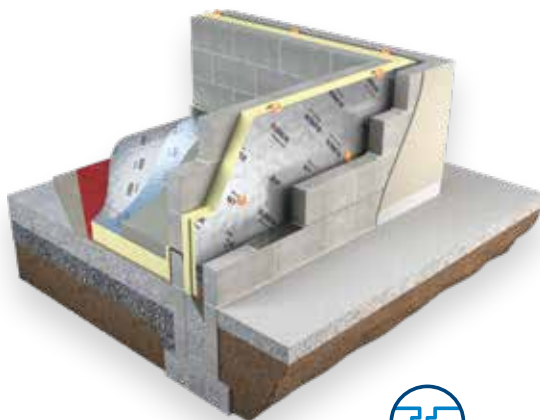
THIN-R^{PIR} INSULATION

Partial Fill Cavity Walls

XT/CW (T&G)

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

Cavity Wall (T&G) for use in traditional masonry walls, builds to the highest thermal standards whilst maintaining a residual cavity, offering protection from wind driven rain.



TONGUE
& GROOVE
JOINTING

Key Features

Verified EPD available

Robust Tongue & Groove Jointing

Corner panels and cavity closers: Reduced Thermal Bridging

Clear cavity maintained

No exposure restrictions

Composite foil facings

Specifications

Thermal Conductivity	0.022 W/mK
Facings	Composite foil facings
Core	PIR Insulation
Board Size	1200mm x 450mm
Board Thickness	60, 70, 80, 90, 100, 110, 120, 125mm
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

Drylining Walls

(Installed with Adhesive Dabs or Mechanically Fixed)

Lambda
value as low as
0.020 W/mK

SR/TBFL-MF

Safe-R Fireline Thermal Laminate is a composite insulated panel comprising of a rigid Phenolic core and 15mm Fireline plasterboard achieving a Euroclass B s1 d0 reaction to fire classification for internal applications. The superior thermal performance provides improved U-Values with minimal intrusion into valuable living space.

Safe-R Fireline Thermal Laminate achieved a REI 45 fire resistance in a system for ceiling and roof application in accordance with TGD B. This product is designed to provide high levels of thermal insulation and drylining in one operation, with the added assurance of high fire performance combined with improved thermal values.



Key Features

Verified EPD is available for the product insulation

Reaction to Fire (Euroclass) B-s1, d0

High performance to thickness ratio - Space saving

Superior thermal performance of 0.020-0.021 W/mK

Specifications

Thermal Conductivity	0.020 - 0.021 W/mK
Facings	Composite foil facings/ Fireline plasterboard
Core	Phenolic Insulation
Board Size	2400mm x 1200mm
Board Thickness	50, 60, 70, 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

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

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

Solution in refurbishment and new build

Specifications

Thermal Conductivity	0.022 W/mK
Facings	Composite Kraft/Plasterboard
Core	PIR Insulation
Board Size	2438mm 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

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

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

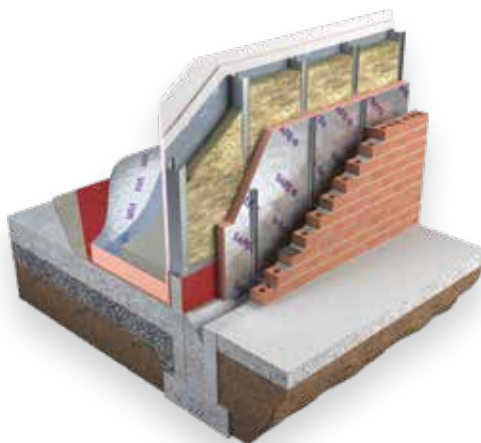
Steel & Timber Frame

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 15m 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

Suitable for use in steel and timber frame systems up to 15m in height

Lower lambda value for improved U-Values

Reaction to Fire (Euroclass) C-s1, d0

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	Composite 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

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 15m 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, dO

Suitable for use in steel and timber frame systems.

Lower lambda value for improved U-Values

Suitable for new build and renovation up to 15m in height

Reduced Thermal Bridging

Textured foil

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

Specifications

Thermal Conductivity	0.021 W/mK
Facings	Textured 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

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details.

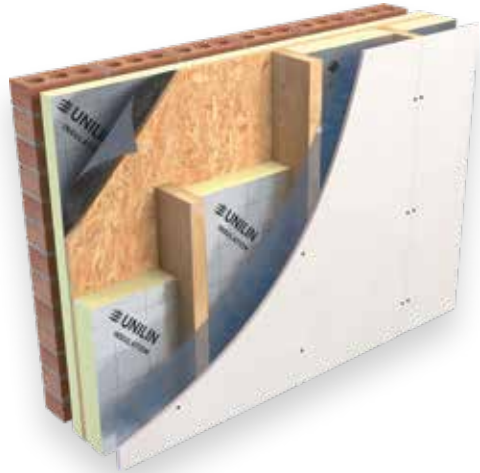
THIN-R^{PIR INSULATION}

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 NZEB fabric standards 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
- Composite foil facings

Specifications

Thermal Conductivity	0.022 W/mK
Facings	Composite 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

■ ECO/MA Pitched Roof	22
■ ECO/MA Sarking Warm Roof Construction	23
■ XO/PR Pitched Roof	24
■ XO/SK Sarking (T&G)	25
■ XT/PR_UF Pitched Roof	26
■ XT/RLOC Pitched Roof	27

ECO360

BIO-ENHANCED
PIR INSULATION

Pitched Roofs

Lambda
value as low as
0.020 W/mK

ECO/MA

Bio-enhanced, PIR insulation suitable for pitched roofs (ventilated, hybrid or warm). ECO360 MA for roofs offers improved 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 improved 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 foil facings
Core	Bio-enhanced PIR Insulation
Board Size	2400mm x 1200mm
Board Thickness	50*, 100, 125, 150mm
Board Profile	Square Edge

*The thermal performance of the 50mm thickness is 0.023 W/mK

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

Lambda
value
0.020 W/mK

Sarking Warm Roof Construction

ECO/MA

Bio-enhanced, PIR insulation suitable for Sarking Warm Roof construction. ECO360 MA, with a thermal conductivity as low as 0.020 W/mK, in a sarking warm roof application offers an environmentally conscious solution which provides improved detailing, speed of installation and a uniform plane to accommodate more efficient detailing.

This bio-enhanced insulation combines high compressive strength with low thermal conductivity, providing an effective solution for roof insulation.



ROOFS

Key Features

- Bio-enhanced PIR insulation
- Halogen free
- Enhanced performance 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 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 improved Thermal Bridging details.



Key Features

- Verified EPD available
- Reaction to Fire (Euroclass) C-s2, d0
- Reduces intrusion into living area
- Reduced risk of condensation
- Textured foil facings
- Reduced Thermal Bridging

Specifications

Thermal Conductivity	0.021 W/mK
Facings	Textured 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

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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*

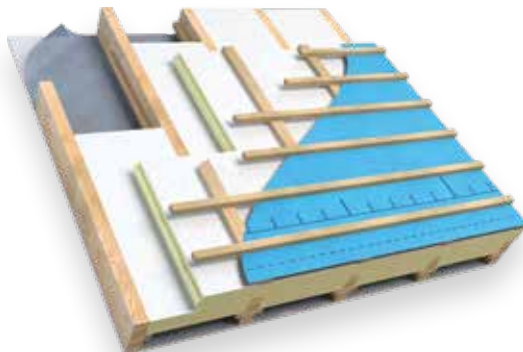
Lambda
value as low as
0.021 W/mK

Sarking Warm Roof Construction

XO/SK (T&G)

XtroLiner Sarking (T&G) is an engineered tongue and grooved external roof insulation system with textured 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
JOINING

Key Features

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

Specifications

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

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.
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 improved Thermal Bridging details.



Key Features

- Verified EPD available
- Avoids intrusion into living area
- Reduced risk of condensation
- Composite foil facings
- Reduced Thermal Bridging

Specifications

Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 140
Facings	Composite 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

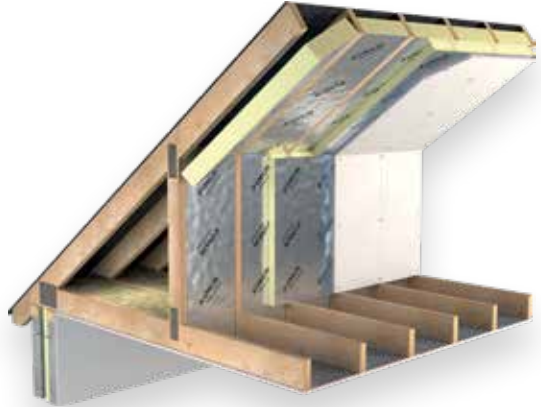
RAFTERLOC

Pitched Roof Board

XT/RLOC

Unilin Rafterloc Pitched Roof Insulation has a unique width variation feature offering a 20-30mm adjustment margin to ensure a tight fitting, high performance insulation locked between rafters.

Used in conjunction with a layer of Unilin XT/TL or XT/PR_UF below the rafters, the Rafterloc system provides a suitable solution to insulating sloped rafters to the most efficient standards with minimal wastage and reduced fitting time.



Key Features

Variable width feature

Minimal intrusion into living area

Composite foil facings

Extra thermal performance

Specifications

Thermal Conductivity	0.023 W/mK
Facings	Composite foil facings
Core	PIR Insulation
Board Size	1200mm x 370mm
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

FLAT ROOFS



Flat Roofs

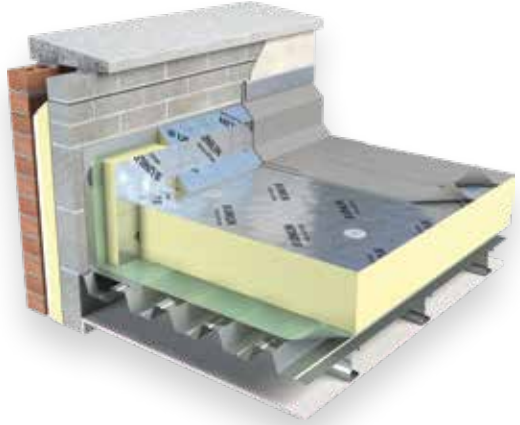
■ FR/ALU Flat Roof	29
■ FR/MG Flat Roof	30
■ FR/BGM Flat Roof	31
■ XO/XD Flat Roof	32

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 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

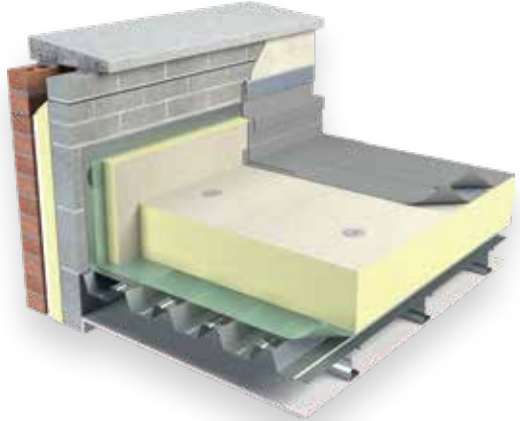
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

THIN-R^{PIR} INSULATION

Single Ply Fully Adhered/Partially Bonded Built-Up Felt Systems

FR/MG

Flat Roof MG is a 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 flat roof boards providing total solutions for flat roof projects.



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	Mineral Glass/Bitumen 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

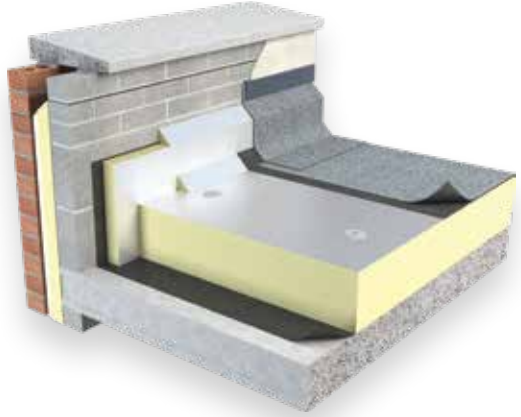
XTROLINER[®] SUPERIOR PERFORMANCE PIR INSULATION*

Lambda
value as low as
0.021 W/mK

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 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 (10Y) 150
Facings	Textured 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

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.

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

■ ECO/MA Solid & Suspended Floors	34
■ XO/UF Floors	35
■ XT/PR_UF Floors	36
■ XT/Walk-R	37

ECO360 BIO-ENHANCED PIR INSULATION

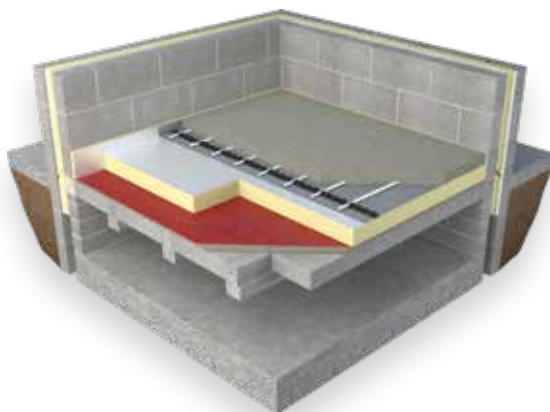
Solid & Suspended Floors

Lambda
value as low as
0.020 W/mK

ECO/MA

Bio-enhanced, PIR insulation suitable for solid and suspended floors. ECO360 MA for floors offers improved PIR 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 combines high compressive strength with low thermal conductivity, providing an effective 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	Textured 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*

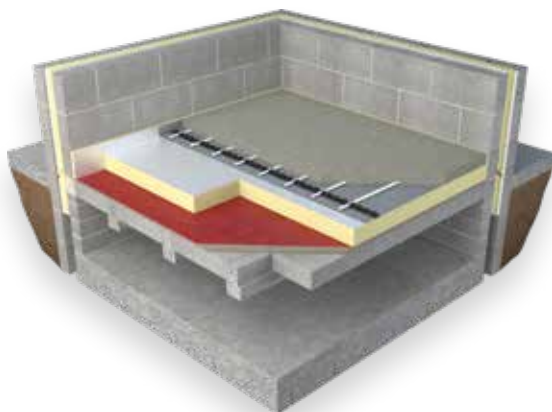
Solid & Suspended Floors

Lambda
value as low as
0.021 W/mK

XO/UF

XtroLiner Underfloor superior performance PIR offers improved 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 combines high compressive strength with low thermal conductivity, providing an effective 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
- Textured foil

Specifications

Thermal Conductivity	0.021 W/mK
Compressive Strength	CS (10Y) 150
Facings	Textured 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

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details.

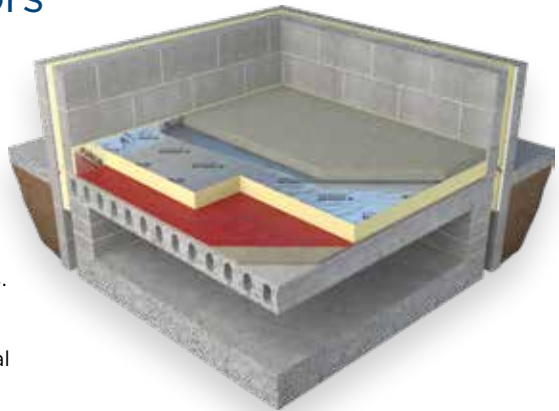
THIN-R^{PIR INSULATION}

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 combines high compressive strength with low thermal conductivity, providing an effective solution for floor insulation.



Key Features

- Verified EPD available
- High compressive strength
- Suitable for underfloor heating
- Perimeter strips for robust detailing
- Reduced insulation thickness
- Composite foil facings

Specifications

Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 140
Facings	Composite 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

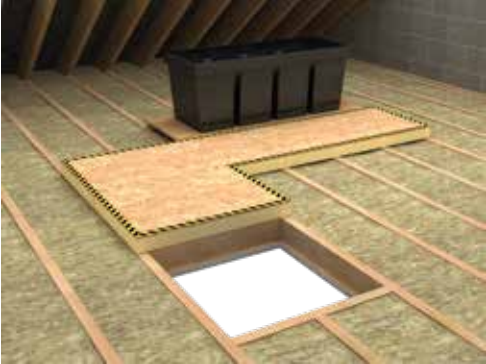
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

THIN-R PIR INSULATION

Insulated Loft Decking

XT/WALK-R

Thin-R Loft Decking Walk-R is a composite of 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

- Verified EPD is available for the product insulation
- Safe access to attic space
- High thermal performance
- Complies with health and safety guidelines

Specifications

Thermal Conductivity	0.022 W/mK
Compressive Strength	CS (10\Y) 150
Facings	Composite 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

SOFFITS



■ SR/ST Soffit	39
■ SR/STP Soffit	40
■ XO/STP Soffit	41

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 composite 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	Composite 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

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 phenolic insulation board, with composite 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

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

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

Verified EPD is available for the product insulation

High impact resistant 6mm building panel

Reaction to Fire (Euroclass) B-s1, d0

Accepts a decorative finish

Reduced Thermal Bridging

Lower lambda value for improved U-Values

Specifications

Thermal Conductivity	0.021 W/mK
Facings	Textured 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

*The reference to superior performance relates to the product or ranges thermal conductivity or fire performance or a combination of both, when compared to our Thin-R range.
Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details.

FOAMGLAS[®]

FOAMGLAS T3+

FOAMGLAS[®] insulation is manufactured from specially graded recycled glass** and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. Without VOC or other volatile substances.

Extensive Range of Applications:

- Floors
- Façades
- Retaining walls (Below ground level)
- Internal lining
- Soffits
- Flat roofs



Key Features

- Non combustible
- Impervious to water vapour
- Waterproof
- Dimensionally stable
- Acid/Chemical resistant
- High Compressive Strength

Specifications

Thermal Conductivity	0.036 W/mK
Compressive strength	500 KPa
Core	Cellular Glass Insulation
Board Size	600x450mm/1200x600mm
Board Thickness	50-200mm
Board Profile	Square Edge

** recycled glass consists of highly selected postconsumer glass and highly selected production scrap/co-products

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

FOAMGLAS[®]

FOAMGLAS PERINSUL HL

The Passive Solution for thermal breaks including ground floor perimeter, EWI and thresholds.

Extensive Range of Applications:



EWI Plinth



Flat Roof Parapet



Eaves



Party Wall - Ceiling



Key Features

Euroclass A1 Non-Combustible

100% impermeable to moisture penetration

Achieve Passive Performance

Gas and radon impermeable

Suitable for all walls - Masonry, Steel & Timber Framed

Solves threshold bridging with lifetime performance

Specifications

Thermal Conductivity	0.058 W/mK
Core	Cellular Glass Insulation
Board Size	100x450mm/140x450mm/215x450mm
Board Thickness	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

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

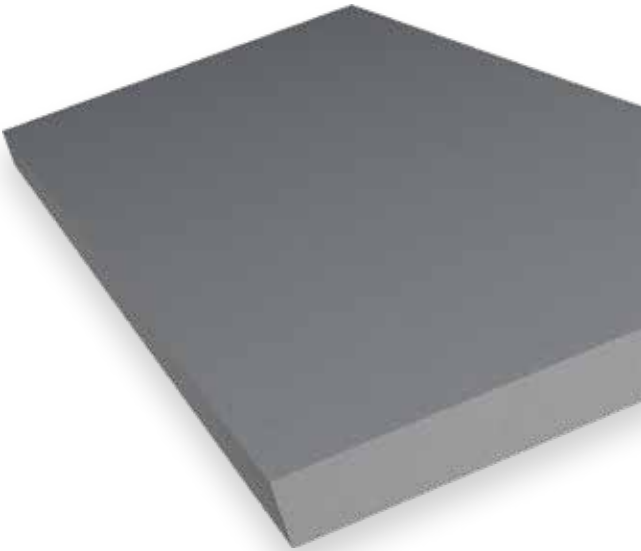
Thermal Conductivity	0.033 - 0.036 (W/mK)*
Board Size	1250 x 600mm
Board Thickness	30, 40, 50, 60, 80, 100, 120mm
Board Profile	Rebated Edge

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	

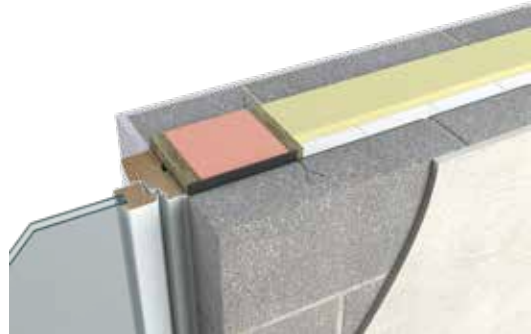
SAFE-R CAVITY CLOSERS

SAFE-R CLOSE-R

A high performance EN fire-rated cavity closer providing compliance with structural and thermal regulations in Ireland. 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 TGD Part A that additional wall ties must be placed at gable end openings and either side of expansion joints.

These extra structural ties do interrupt the continuity of the insulation layer and increase Thermal Bridging issues at very vulnerable areas, with mould growth normally most evident at reveals.

Safe-R Close-R achieves an excellent fire rating and allows for the correct placement of wall ties to meet TGD Part A structural requirements. The superior insulation performance attains Passive & NZEB standards for Thermal Bridging.



Key Features

- 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 your Area Sales Manager for further details

*Please contact our Technical Team for further information

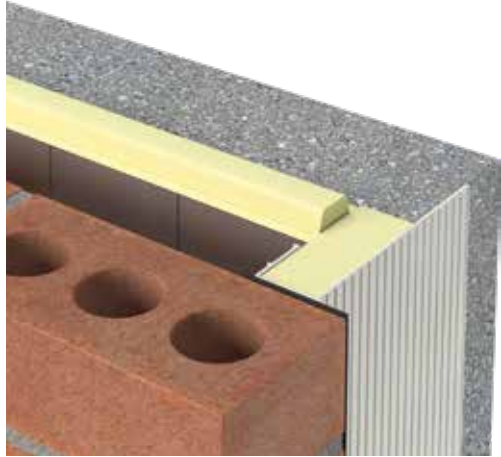
CLOSE-R

INSULATED
CAVITY CLOSER

CLOSE-R

Unilin Close-R fully insulated cavity closers are a solution for builders and specifiers for the closing of 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

Suits 100 - 150mm cavities

Meets new Part L requirements

Available from Builders Merchants

Specifications

For further assistance please contact the Unilin Technical team

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.





Expect more Knowledge

Unilin Insulation is one of Ireland's largest manufacturers and suppliers of insulation. We have a 30 plus year history of working in partnership with construction professionals to close the gap between design and as-built performance.

Higher standards of fabric performance call for greater adherence to best practice detailing. To achieve this and to 'close the gap' between design and build, we provide a dedicated Technical Team, all qualified to the highest standards of competency in U-Value calculation and condensation risk analysis.

Here to support you

- BRE listed Thermal Bridging Detailing
- BRE/NSAI Trained Modelling
- Warranted Calculations available
- Immediate technical response
- DEAP Qualified
- Insulation systems to deliver real onsite performance

Get in touch

T: +353 (0) 46 906 6050 E: tech.ui@unilin.com unilininsulation.ie

FREE
One-to-one
advice



Achieving NZEB Compliance for Typical New Dwellings

Detached: Scheme Development

EPC	CPC	RER
Target: 0.300	0.35	20%
Actual: 0.255	0.209	50%



Result: **A2** Rating

Floor U-Value	0.11	150mm Hyfloor
Cavity U-Value	0.16	125mm CavityTherm
Ceiling U-Value	0.12	300mm fibre plus thermal lining
Windows U-Value	1.40	Double glazed
Door U-Value	1.00	Insulated door
Thermal Bridging Factor	0.03	Calculated details
Air Permeability	5	0.25 ACH
Natural Ventilation	Yes	
Heating System	392/217%	Heat Pump: Space/Water Efficiency
Heating Controls	Yes	Full Time & Temp Controls
Cylinder	200L	Factory Insulated 100mm
Secondary Heating	Yes	Log Burning Stove
Delay Start Stat	No	
Light Fittings	100%	Low Energy Lights
Renewable Technology	Yes	From Heat Pump

Semi-Detached: Scheme Development

EPC	CPC	RER
Target: 0.300	0.35	20%
Actual: 0.293	0.268	26%



Result: **A2** Rating

Floor U-Value	0.11	150mm Hyfloor
Cavity U-Value	0.16	125mm CavityTherm
Ceiling U-Value	0.12	300mm fibre plus thermal lining
Windows U-Value	1.40	Double glazed
Door U-Value	1.00	Insulated door
Thermal Bridging Factor	0.04	Calculated details
Air Permeability	5	0.25 ACH
Natural Ventilation	Yes	
Heating System	91.2%	Gas Condensing Boiler
Heating Controls	Yes	Full Time & Temp Controls
Cylinder	200L	Factory Insulated 100mm
Secondary Heating	None	
Delay Start Stat	None	
Light Fittings	100%	Low Energy Lights
Renewable Technology	Yes	3 x 270w PV Panels (4.89m ²)

Apartment: Scheme Development (Mid Floor Apartment)

EPC	CPC	RER
Target: 0.300	0.35	20%
Actual: 0.294	0.286	39%



Result: **A2** Rating

Floor U-Value	None	
Cavity U-Value	0.16	125mm CavityTherm
Ceiling U-Value	None	
Windows U-Value	1.40	Double Glazed
Door U-Value	1.00	Insulated Door
Thermal Bridging Factor	0.02	Calculated Details
Air Permeability	5	0.25 ACH
Natural Ventilation	Yes	
Heating System	390/210%	Heat Pump: Space/ Water Efficiency
Heating Controls	Yes	Full Time & Temp Controls
Cylinder	180L	Factory Insulated 100mm
Secondary Heating	None	
Delay Start Stat	None	
Light Fittings	100%	Low Energy Lights
Renewable Technology	Yes	From Heat Pump

Detached: Self Build

EPC	CPC	RER
Target: 0.300	0.35	20%
Actual: 0.280	0.226	45%



Result: **A2** Rating

Floor U-Value	0.11	150mm Hyfloor
Cavity U-Value	0.13	150mm CavityTherm
Ceiling U-Value	0.12	300mm Fibre Plus Thermal Lining
Windows U-Value	1.40	Double Glazed
Door U-Value	1.00	Insulated Door
Thermal Bridging Factor	0.02	Calculated Details
Air Permeability	5	0.25 ACH
Natural Ventilation	Yes	
Heating System	268/233%	Heat Pump: Space/ Water Efficiency
Heating Controls	Yes	Full Time & Temp Controls
Cylinder	300L	Factory Insulated 100mm
Secondary Heating	Yes	Log Burning Stove
Delay Start Stat	None	
Light Fittings	100%	Low Energy Lights

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. **BBA and NSAI** certification of the Unilin Insulation insulation boards
4. **SAP and DEAP** energy assessment

Talk to the Technical Team

t. 046 906 6050 **e.** tech.ui@unilin.com

External Specification Team



Phil Ward
Specification Manager
Dublin



Raymond Madden
Specification Manager
South



Francis Riley
Specification Manager
North

Internal Technical Team



Eamonn Clarke
Technical Manager



Mark Magennis
Technical Services
Manager



Marc Walsh
Product Management &
Development Engineer



Paschal Gallagher
Technical Advisor



Conor Sheppard
Technical Advisor



Fiona Prendergast
Technical Advisor



Ian Geraghty
Technical Advisor

Our Dedicated Sales Team

Meet the team who can help you with your project



Wayne Murphy
National Sales
Manager
t. 087 966 6955



Ardil Jennings
West
t. 087 254 1709



Bernard Morris
North Midlands,
Border & West
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HIGH

**THERMAL
PERFORMANCE**

LOW

**EMBODIED
CARBON**

Search for ECO360 on:
unilininsulation.co.uk

ECO360

BIO-ENHANCED PIR INSULATION

**AVAILABLE FOR WALLS,
FLOORS & ROOFS**

The ECO360 strategy is a commitment by Unilin Insulation to continually review and improve the sustainable credentials of our product offering and services, to reduce the environmental impact of the projects we work on in terms of operational energy and embodied carbon.

- ✓ Bio-enhanced formulation
- ✓ Part of a design solution to meet 2030 Climate Challenge targets
- ✓ Halogen free formulation
- ✓ Improved thermal performance as low as 0.020 W/mK
- ✓ Bio-degradable packaging materials
- ✓ Verified EPD available



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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