

Build Clever

Every construction project presents its own unique set of challenges. There are products that can go some way to meeting these challenges. But a product alone is not enough.

A product can't 'understand, learn, and devise or apply ideas'*. That requires an 'intelligent' construction partner.

Like Euroform.

As your construction partner, we began looking for a solution to your construction challenges before we even knew about the specifics of your construction projects.

It began, in some cases, years ago, with a meticulous process of market research, concept development, astute procurement, technical refinement, laboratory testing and certification attainment.

This meticulous process never stops.

But the really clever stuff happens once we're in the same room. When your clever people meet our clever people and we begin exploring the unique set of challenges presented by your construction project. That's when the understanding, learning, devising and applying begins. And, in a way, this process began years ago, too, with the accumulation of knowledge and experience — yours and ours.

That's what 'Build Clever' is all about.

*Clever (adjective): quick to understand, learn, and devise or apply ideas; intelligent.



Supporting Construction For More Than 20 Years

For more than 20 years, Euroform has been successfully supplying materials and products to the UK construction industry.

In that time, we have developed and cemented a reputation for innovation, expertise and reliability.

Each of Euroform's products is the culmination of a meticulous process of market research, concept development, astute procurement, technical refinement, laboratory testing and certification attainment.

Furthermore, each of Euroform's products is supported by an experienced and knowledgeable technical team, ready to offer advice and guidance over the phone or, if required, to visit your premises or site.

All of this is backed by an extensive bespoke fabrication facility.

Customer Services

In-house Sevices and Support CAD, fabrication service, technical/installation advice and delivery

Building Boards

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Services

In-house Services and Support

At Euroform, we pride ourselves on providing excellent customer service and full technical support.

Solve - Euroform can offer an unbeatable service. We are always looking to satisfy our customer requirements in any way we possibly can with continual improvement and innovation through a range of activities that we believe benefit our customers.

- Magi-Cut Optimisation software to increase accuracy and reduce waste
- · Rapid response to site issues, including site visits at your request
- Full fabrication service
- Full system solutions
- · Full technical support

Supply - We understand that innovative products have to be accompanied by a dynamic and robust supply chain. With nationwide stockists, a versatile fleet of vehicles and trusted third party carriers, Euroform have developed a supply chain that not only works, but adds value to the customer and their projects.

- Large list of stockists
- Full UK delivery and coverage
- Split pallets and mixed pallets

Support - We can support you through every stage of the process, up to, including and after product specification, from initial analysis, right through to construction.

- Free CAD drawings
- Free U-value calculations
- · Comprehensive product information including literature and samples
- Continual product testing to BS and EN standards to meet building regulations
- · Quick and concise solutions to any queries you might have
- Full installation instructions and technical guidance







Building Boards Product Selector For Euroform's Full Range of Building Boards

APPLICATIONS	Versapanel®/ Versapanel® Eco	Versafloor®	Versaliner [®]	Rendaboard®	Versafire [®]
Direct Render Carrier Panel				\checkmark	
External Sheathing Panel	\checkmark		\checkmark		\checkmark
Acoustic Flooring		\checkmark			
Acoustic Roofing	\checkmark				
Fire Rated Partitions					\checkmark

KEY FEATURES

Score and Snap Workability			\checkmark	\checkmark	\checkmark
Good Impact Resistance	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Approximate weight (Kg/m³)	1300	1300	900	1050	1050
FSC® Chain Of Custody	√ *				

 $^{^\}star$ FSC° Chain Of Custody is only applicable to Versapanel° Eco.

Table for guidance purposes only: Contact Euroform sales for information regarding individual product compatibility with your specific application requirements.

Building Boards

Cement Particle Board

Legislation Requirements: You Can't Afford to Compromise



There's a common misconception in the construction industry that cement-bonded particle boards are, by and large, interchangeable and that, given the current economic climate, the only thing up for discussion is price. Nothing could be further from the truth.

When an architectural specification calls for a particular cement-bonded particle board such as "**Versapanel**® "or equal approved", it doesn't mean that the specification can be changed to just any cement-bonded particle board.

Why Versapanel®?

There a number of reasons why **Versapanel®** is the name you can trust for all cement bonded particle board matters. Euroform are proud to have supplied **Versapanel®** to some of the most significant and prestigious projects where a high performance versatile building board has been required.

Manufactured to BS EN 634-1 and BS EN 634-2.

Main Applications

- · Sheathing board to timber and steel frame systems
- Moisture tolerant and acoustic flooring systems (in this application the product is known as Versafloor® - see page 12)
- Acoustic roof systems
- Impact resistant linings
- Fasçia and soffits

Legislation Requirements

Versapanel® is a cement particle board that goes beyond current legislation and anticipates future legislative changes.

- EN 634-1 and EN 634-2 considering particle boards and wood-based panels properties such as tensile strength, density, load factors resistance to humidity, frost and impact
- BS 476-22 determination of the fire resistance of non-load bearing elements of building construction when subjected to heating and pressure conditions
- BS EN 594 Racking Test for timber frame applications

- Concentrated/UDL Load for use in flooring testing to BS EN 1195 (see Versafloor® page 12)
- Euro class B reaction to fire to EN 13501-1
- CE Marked to EN 13986
- FSC® Chain of Custody certification (see **Versapanel®Eco** page 10)

Technical support

Due to the versatility of **Versapanel®** we strongly advise that you discuss your specific project performance requirements with Euroform to ensure that the product is used to its maximum potential.

Euroform possess an enviable portfolio of test reports pertaining to the systemic use of cement bonded particle boards. Euroform can help answer your questions relating to the performance of systems using **Versapanel®** in respect of: fire, structural loading, wind pressure, acoustics, moisture and much more.

Technical manuals are available; please contact Euroform for further details.

Fabrication service

We also offer an in-house panel optimisation and fabrication service to ensure that site activities are kept to a minimum and help to reduce product wastage levels on site.







"We opted for Euroform's

Versapanel®... because it's

easy to work with and reliable.

Plus we get exceptionally good
technical support from the team
at Euroform."

John Sheeran, Contracts Manager, Sound Interiors Limited

Investing years of testing, expertise and commitment to excellence, Euroform created **Versapanel®** - a cement bonded particle board as defined under EN 633, its three main attributes are Class '0' reaction to fire (British Standards) / Euro class B (EN 13501-1), high performance in the presence of moisture and excellent acoustic performance.

As the name suggests, **Versapanel®** is a very versatile material due to these qualities and has been used across many countries predominantly as a sheathing board for timber and steel frame systems but also as external wall insulation, as infill panelling or as an acoustic floor, roof, ceiling or partition.

Use the handy table below to select the **Versapanel®** size, finish and detail for your construction needs.

riouudi nange	All other sizes available to order									
Unsanded	2400	2400 x 1200mm 2440 x 1220mm			0mm	2800	x 1200mm		3200 x 120	0mm
Versapanel® characteristics for unsanded and calibrated boards										
Thickness of board	8mm	10mm	12mm	16mm	18mm	22mm	24mm	28mm	36mm	40mm
Approx weight per m ² in kg	10.4	13	15.6	20.8	23.4	28.6	31.2	36.4	46.8	52

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For additional construction advice on systems please contact technical sales

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Full product information available on request.

Airborne sound reduction

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Features

- CE marked to EN 13986
- Reaction to fire Class 'O' (British standards) / Euro Class B (EN 13501-1)
- Suitable for external and internal applications due to its durability
- Excellent sound reducing performance characteristics due to high density
- Excellent impact, moisture and rot resistance properties
- Available in a range of thicknesses, bespoke sizes and with a choice of edge profiles to suit your project

Suitable fixings can be provided

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- Available as Versapanel® Eco supported with FSC® Chain of Custody certification
- Available as **Versafloor®** for flooring applications
- Leading levels of technical assistance
- BS EN 594 racking test



Building Boards

Versapanel®

Eco

FSC® Chain of Custody Certified
Cement Particle Board

MISTURE MARCE FIRE ACOUSTIC ROT

Sourced from sustainable forests with rigorous conservation and management standards.

Satisfying sustainability ambitions and directives has been a significant force in the construction industry for several years now, and will no doubt continue to dominate for years to come.

This has resulted in increasing demands for FSC® Chain of Custody certified building products. In response to this demand, Euroform are pleased to offer **Versapanel® Eco** for supply where FSC® Chain of Custody is required.

FSC® independently issued Chain of Custody certification ensures the forest of origin is sustainable, the local ecosystem and biodiversity maintained and forest workers' human rights are safeguarded. All of this is kept in check by rigorous, short-notice inspections and meticulous audit trails.

BREEAM®

BREEAM® is the world's foremost environmental assessment method and rating system for buildings.

BREEAM® award points for 'the responsible sourcing of materials'. Because **Versapanel® Eco** has FSC® Chain of Custody certification, it is demonstrably a responsibly sourced material. The Chain of Custody certification scheme from the Forest Stewardship Council® ensures the requisite percentage of wood content of **Versapanel® Eco** has been sourced from sustainable forests with rigorous conservation and management standards.



- FSC® Chain of Custody certification available upon request
- Rot and impact resistance
- Moisture tolerant
- High durability
- Fully external/internal
- BS EN 594 racking test
- Own range of approved fixings
- Available in bespoke sizes

- Euro class B reaction to fire according to EN 13501-1
- CE marked
- Manufactured to BS EN 634-1 and BS EN 634-2
- Wide range of thickness in stock
- Excellent acoustic performance





Is Versapanel® Eco still the same?

Yes, Versapanel® Eco is the same board in terms of testing, certification and performance as Versapanel®. It simply has the additional benefit of carrying FSC® Chain of Custody certification.

Why is it called Versapanel® Eco?

This is to make it easier for our customer to order an FSC® Chain of Custody certified product.

Why not have all Versapanel® Eco as FSC® supply?

The process by which an FSC® Chain of Custody product is sourced is, of necessity, complex. We would not wish to procure all our cement boards through this method, particularly where our customers do not require an FSC® certified board.

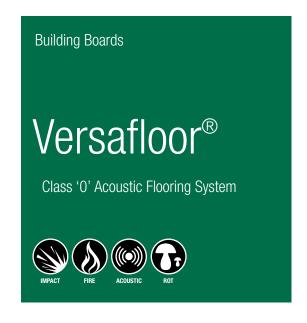


The mark of responsible forestry

From seed, sapling and mature tree



through to timber product



Versafloor® has properties of fire resistance, rot resistance and high acoustic performance.

Euroform's **Versafloor®** has been used worldwide in a number of different flooring applications, depending upon relevant project criteria, such as acoustic performance, rot resistance or strengthening of construction.

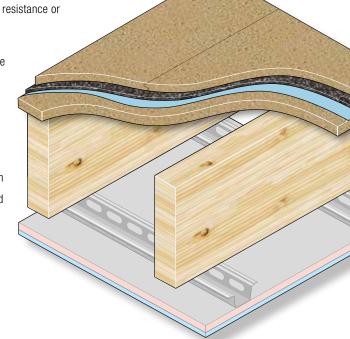
The construction industry now requires as many components as possible to be supplied in a finished form, minimising work on site. This particularly applies to the Modular and Volumetric construction industry where modules are often of a repetitive size for such constructions as prisons, hospitals and hotels.

The **Versafloor®** System has been specially developed for these markets. **Versafloor®** is manufactured using **Versapanel®** CP board, which is a high performance material having properties of fire resistance, rot resistance and with high acoustic performance.

Versafloor® is available with square edge or tongue and groove.



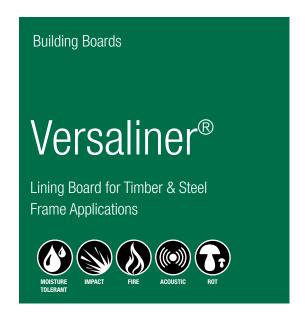
Contact Euroform for full specification and product availability.



- Class '0' fire resistance with a Class '1' spread of flame to BS 476-7
- Euro class B reaction to fire according to EN 13501-1
- Excellent airborne sound reduction
- · Resistance to fungus and mould growth
- Rot proof

- Non toxic under fire
- Resistance to compression
- Containing no fibres or hazardous volatiles
- Can be machined to precise measurements
- Tested to EN 1195 for flooring applications





Score and snap saves time and labour. No need for specialist equipment.

Versaliner® can be used in both Timber Frame and Steel Frame applications, where strength and versatility are key, and where a score-and-snap solution is preferred.

In Timber Frame construction, **Versaliner®** serves as a fire and acoustic lining board, providing A1 non-combustibility and, due to its racking resistance compliance, additional structural strength.

Versaliner® has been tested for water impermeability, water vapour permeability, freeze thaw, soak dry, heat-rain with thermal shock and bending strength.

Versaliner s score-and-snap dispenses with the need for specialist equipment.

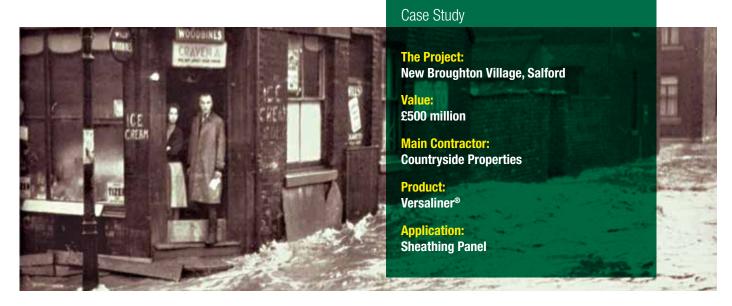
Versaliner® stan	Versaliner® standard sizes					
Thickness of board	9mm	12mm				
Board size	2400 x 1200mm, 2700 x 1200mm, 3000 x 1200mm					





- A1 Non-Combustible EN 13501-1
- BS EN 594 racking tested (for timber frame applications)
- Easy to work and fix
- Score-and-snap workability
- Non-toxic under fire

- High performance in the presence of moisture
- Full product information available upon request



Timber-frame construction and the risk of flooding

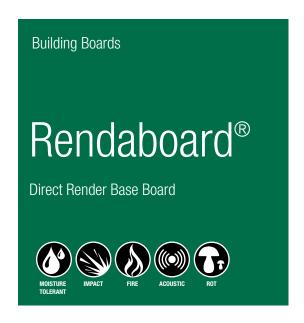
The lower reaches of the River Irwell have flooded many times in its history, the most well-documented being the floods of 1866, 1946, 1954, 1980, and 2007. Following the 2007 floods, extensive flood defences were constructed. However, flood defence work is ongoing and the area is still considered to be 'at risk'.

Naturally, Countryside Properties took
this risk fully into account when creating
their timber-frame homes for the ambitious
New Broughton Development. The typical
sheathing panel used for this application is
OSB or similar. However, in this instance,
Countryside Properties decided something
more was required. Although OSB performs
well if it simply 'gets wet', it is likely to be
a different matter if the material becomes
entirely submerged. This would not merely be
a case of wicking and subsequent edge-swell.
Countryside Properties had genuine concerns
about the stability of OSB both during a flood
situation and post-flood.



Following these careful considerations,
Countryside Properties decided to explore
the possibility of using an alternative material
as a sheathing panel. This led them to
Euroform's Versaliner, for amongst other
things, water impermeability, soak/dry and
water vapour permeability.

Countryside Properties worked closely with Euroform's technical team, taking advantage of their expertise and experience, as well as their commitment to arduous laboratory testing, to ensure Versaliner was the right product to effectively address their flood-risk concerns. Euroform were also able to support Countryside Properties during the approval process with the NHBC, triggered by the use of a different material.



A wide range of finish options.

Rendaboard® is a modern practical construction material of outstanding performance. It is non-toxic, contains no hazardous volatiles, asbestos and is formaldehyde-free.

Suitable for a wide range of applications and meets stringent demands for ever-increasing building regulations for ever-higher standards of durability, safety and economy.

Wind Loading

After rigorous testing, **Rendaboard®** with a minimum render finish of 8mm is able to withstand the wind loads as given in the CWCT standards with a good safety factor against failure.

Full report available on request.

Rendaboard® characteristics					
Thickness of board	9mm	12mm			
Size	2400 x 1200mm				
Testing					
Fire Rating	A1 Non-Combustible to EN 13501-1				
Fixing					
400mm and 600mm centres	9mm	12mm			



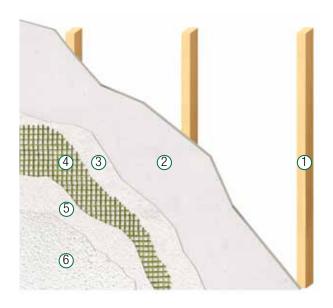
- Good range of finish options
- Non-toxic under fire
- Resistant to attack against vermin
- Excellent dimensional stability
- Good acoustic performance
- A1 Non-Combustible to EN 13501-1



Rendaboard® has extensive third party testing including:

- Wind Loading
- Soft & Hard Body Impact
- Bond Strength incorporating hygrothermal freeze-thaw conditions

All testing had a very successful outcome. Full product information available on request.



Example of Rendaboard® Timber Stud detail

KEY

- (1) STEEL STUD OR TIMBER STUD
- (2) RENDABOARD®
- (3) RENDER BASE COAT
- (4) REINFORCING MESH
- (5) EXTERNAL BASE COAT
- (6) FINAL RENDER

Rendaboard is compatible with these base coats:





Parextherm & Parexdirect www.parex.co.uk



K-Rend K1 and TC15 - ultra high performance render

www.k-rend.co.uk



Genesis Base Coat - a fibre-reinforced, acrylic-based product (12mm board) www.dryvit.co.uk



Rollercoat - long life exterior weatherproof coating

www.renotex.co.uk



JUB Render - a range of lightweight finishing renders, suitable for Rendaboard®

www.jubrenders.co.uk



K&A Basecoat - a bonding and reinforcing filler with water repellent

www.wbs-ltd.co.uk

Always check with the coating's manufacturer to ensure the correct specification of base coat render is applied to be used with the base board. You can also ask our technical team who will be happy to offer guidance.



Versafire® has been tested in various fire protection systems.

Versafire® is a major move forward in building board technology to meet increasingly stringent building regulations and demands for ever higher standards of durability, safety and economy. A1 Non-Combustible.

Applications

Versafire® is suitable for a range of applications, such as:

- Steel partition systems up to 60 minutes fire resistance
- Timber partition systems up to 60 minutes fire resistance
- Walling systems up to 120 minutes fire resistance

Please contact Euroform sales for full systemic details of these solutions.

Versafire® standard size	Versafire® standard sizes					
Thickness of board	6mm	9mm	12mm			
Size	2400 x 1200mm					

Full product information available on request.



Features

- External/internal applications
- Impact resistant
- Excellent acoustic performance
- Resistant to attack from vermin
- Non-toxic under fire

 Portfolio of systemic fire tested solutions, please ask for further details Cladding

Rainscreen Cladding

From Marley Eternit, Rockpanel and Trespa

Innovative cladding solutions for style and functionality.

Choosing a cladding product can be a complex process, encompassing size, aesthetics, performance, flexibility and, of course, cost. Choosing a partner to supply your cladding, however, couldn't be simpler: **Euroform.**

Why Euroform?

Because we work with you to Build Clever.

We employ the latest optimisation software with experienced operators to ensure every penny of value is extracted from each panel. Specialist equipment transforms standard off-the-shelf boards into optimised, bespoke components for your project.

These components can then be delivered to site in the quantities required and to Just-In-Time scheduling demands. We even supply materials packaged, labelled and sequenced so they can be unpacked on-site in the order they're required.

Full technical support is available at all times, fortified by our close working relationships with the cladding manufacturers themselves.

That's what **Build Clever** is about:

your people, their people and our people coming together to inject **knowledge, intelligence, urgency and cost-effectiveness** into your construction project.



Style meets functionality with Marley Eternit's colourful, Class O, frost resistant boards.



Favoured by many architects, Rockpanel cladding has inspired and made possible even the most eccentric of architectural ambitions.



Trespa Meteon panels are ideal for use in innovative and functional ventilated façade systems.

The full system specification of the render/cladding/rain screen should be approved by an appropriately qualified consultant to confirm the suitability of the components in the system in relation to the required fire performance.

Cladding

Weather Clad®

Fibre Cement Ship-lap Cladding

WeatherClad® is an aesthetically pleasing, wood grained effect plank that gives you a low maintenance alternative to traditional timber and PVCu.

WeatherClad® is a calcium silicate board that is 100% free from asbestos.

Manufactured in 3 metre lengths it is designed for use in direct weathering rainscreen cladding applications, when used in conjunction with external grade paint finishes.

Can be used in a wide variety of applications because of it's easy working, fixing and decorating characteristics.

WeatherClad[®] is available in more colours than any other weather board currently on the UK market. It is available in BS 4800, RAL Classic, RAL Design and NCS Colour Bank colours.

Plus, a colour-matching service is available.



WeatherClad @ is available in three different finishes:

• Natural • Painted • Woodstain

WeatherClad® Siding					
Thickness	*Width	Length			
7.5mm	190mm	3050mm			

*WeatherClad® Siding is pre-cut in size for applications on planking, façades and shop fronts.

WeatherClad® Manufacturing Tolerances					
Thickness	Width	Length	Diagonal		
+/- 0.3mm	+/- 5mm	+/- 5mm	+/- 5mm		

Note: Tolerances relate to panel size 3050 x 190 x 7.5mm.

Features

- No minimum order quantity
- Resistant to rot and mould
- Class '0' fire classification
 (BS 476-6 and BS 476-7)
- Asbestos free
- Low maintenance

- Fully external when painted
- A range of profiles and accessories available

WeatherClad® Profiles





A Modern Solution with a Traditional Touch

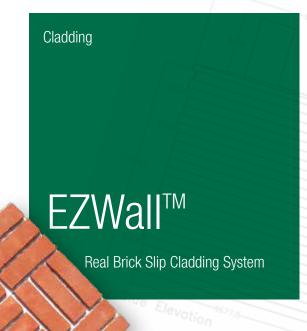
Mosaic, an innovative housing development in Cheshire by LABC-award-winning developer Seddon Homes required a cost-effective, low-maintenance solution for it's fusion of the modern and the traditional.

Seddon Homes' development at Halton Brook in Runcorn was a pioneer of the government's Help to Buy Scheme, designed largely to entice and support first-time buyers as they make their first tentative steps onto the property ladder. As such, it was crucial that costs be controlled in order to present an affordable offer. At the same time, the development had to be aesthetically appealing with long-term potential.

The architects created homes with modern structural stylings contrasted with traditional shiplap style cladding. Timber shiplap cladding, however, has a tendency to fade and distort over time, so a hardwearing alternative was sought.

Euroform's WeatherClad®, a robust, low-maintenance calcium silicate board, was selected, due to its resistance to rot and mould, Class '0' fire classification.





EZWall™ can be used with brick, stone or slate slips and fast to install.

EZWall™ is, along with Versachimney, a product that encapsulates Euroform's Build Clever ethos.

A unique patented system, the EZWall™ real-brick-slip system offers solutions to not just one but a number of challenges.

and quick to install. It is adaptable, both physically and aesthetically. It offers a low-embodied-carbon alternative to full masonry, and it is lightweight where blockwork can't be supported. Whether the key driver is space, time, sustainability, structural demands, aesthetics or a combination of one or even all these considerations, **EZWall™** is in every

not simply a construction product but a construction solution.

EZWall™ even provided a solution to an unforeseen problem: the brick shortage that impacted the housebuilding industry from 2013 into 2016.

A great aesthetic solution, **EZWallTM** can incorporate brick, stone or slate slips. The steel panels that take the brick slips will carry sidewall wind-loading and help brace the wall, minimising wall racking, and are zinc-coated, galvanised to G-90 for rust prevention. The steel is also architectural grade, which means it has approximately the same co-efficient of thermal expansion as thin veneer and mortar.

EZWall™ characteristics				
Panel size	1220 x 1220mm			
Gauge	27 gauge			

Features

- Lightweight (approx. 35kg/m²) based on typical
 15mm slip
- Can match to existing brick
- Fast and simple to install
- Can be used with brick, stone or slate slips
- No special tools or clips required
- Durabl
- Semi-skilled installation method

Applications

- External cladding on domestic and commercial buildings
- Garden walls
- Dormer cheeks
- Conservatories
- Sheds/garages
- Chimneys
- Chimney breasts



Insulation

Ufoil®

Thin Foil Reflective Bubble Insulation

Ufoil® insulation works on the principles of reflecting up to 95% radiant heat. Ufoil® thermal performance is unaffected by moisture and condensation.

Ufoil® aluminium foil comprises polyethylene bubble which has aluminium to either one face or two faces, depending on which variation is chosen.

It is suitable for roof, walls and floor application and is available in three different specifications:

- 1BDA/1 single layer of bubble with foil to one side
- 1BDA single layer of bubble with foil to both sides
- 2BDA two layers of bubble with foil to both sides



Ufoil® Insulation can be used not only for cavity walls and for dry lining applications, but also in a variety of situations to give high insulation performances, such as tile underlay.



- Water vapour resistance
- Thermal resistance
- Robust, durable & lightweight
- Environmentally friendly CFC & HFC Free
- Ideally suited for existing roofs, lofts and barns
- Clean & easy to handle

- Rot proof
- Available in Class '1' surface spread of flame
- Available in Class '0' to Building Regulations

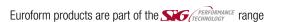
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