

New Build & Specification Brochure

Living with Style



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Style and convenience...

in the past, one was often sacrificed for the other.

Today, people demand both.

Conventional building products need regular maintenance and eventually need to be replaced. PVC building products, on the other hand, are stylish, versatile, practically maintenance-free, and are fast becoming the clear choice for new-build and specification projects.

Freefoam is a leading manufacturer of PVC-U and PVC-UE building products for roofline and rainwater applications. Formed in 1990, Freefoam has grown rapidly to become one of the top manufacturers in the market through our quality products, excellent service and innovative approach.

Freefoam was founded in Cork, Ireland and co-ordinates manufacturing and sales for the Irish and Continental markets. Its subsidiary company in Northampton, Freefoam Plastics (U.K.) Ltd., manages the manufacturing, distribution and sales activities for the UK market.

Freefoam offer a comprehensive range of products including fascias, soffits, window boards, cladding and rainwater systems.

Our products add style and definition to domestic, commercial and industrial buildings, and are available in a wide variety of profiles and colours.

We work in partnership with our customers to ensure that we deliver what you need, when you need it. We work with stockists and installers, and make substantial investments in research to develop innovative solutions that make installation trouble-free. Our scheduling and distribution management provides an efficient and reliable delivery service as standard. In addition, we are certified by the Royal Institute of British Architects (RIBA) to provide Continuing Professional Development (CPD) to architects, specifiers and other construction industry professionals.



We take our social and environmental responsibilities seriously. We operate policies that meet responsible environmental standards, and both local and national guidelines. This is an integral part of the way we work and helps to provide a safe and healthy environment for our employees, our customers and our neighbours.

Welcome to **Freefoam**.

We look forward to working with you.



Our Range

It takes a wide range of products combined with a prompt and efficient supply service to meet the demands of today's modern building profession. Using our scheduling and distribution management system, Freefoam's comprehensive product range is supplied to stockists and installers through our distribution centres in the UK, Ireland and Continental Europe.

Freefoam has pioneered the manufacture of quality-approved, lead-free PVC-U and cellular PVC-UE building products for roofline and rainwater applications.

Our comprehensive product range includes:

- **Roofline fascias** – our fascia boards come complete with matching corners, joiners and end caps for the complete roofline system. We also offer a selection of accessories, such as decorative mouldings and finials, which adds that final touch of style to any new property. We manufacture a wide variety of profile types to satisfy a wide variety of market demands, including our scalloped decorative fascias.
- **Window boards, trims and architraves** – these have become very popular, as they are easy to install and provide a stylish finish. We supply a range of window trims (including quadrants, cloaking fillets and D-sections) and sill covers for window capping systems. Our architraves and flexible angles complete the system.
- **Soffits and ventilation systems** – **Freefoam** manufacture a range of solid and hollow soffits, as well as pre-vented solid soffit boards that provide ventilation as specified in building regulation. There are two standard types of soffit ventilation – continuous vent or disc vent – and both types satisfy ventilation requirements, require little maintenance and complement any roofline system. In addition, we also offer an over-fascia ventilation system as an alternative.
- **Cladding systems** - our solid cladding profiles provide a decorative finish as well as a protective facing, and act as an additional thermal insulator. PVC-UE cladding can be applied horizontally or diagonally, and can enhance the appearance of any new building.
- **Freefoam's hollow cladding for soffits and internal applications** provides an effective solution to hygienic surface requirements in areas that have health and safety regulations, such as food preparation or sterile areas. Internal wall and ceiling cladding provides an extra wall of defence against damp, dust and other particles, leaks, odours and heat loss. At the same time it looks clean and is easy to maintain.
- **Rainwater systems** – our innovative approach and intensive research into rainwater systems has allowed us to develop the premium system on the market. With unique and distinctive features, our systems come in a range of decorative profiles and colours to match all popular roofline systems.
- **Decorative internal panelling** – a modern alternative to tiles, our internal panelling is durable, practical and appealing.
- **Plastops® range of plastic-headed fixings** – supplied in the innovative Belt-Box™, these fixings are popular with installers for their robust design.

to ventilate
& to insulate



Our Design

Innovation and style doesn't happen by accident. At Freefoam, our ethos is to constantly research and develop our products and processes. Consequently, our customers can be discerning in their choice of style and assured of high quality, innovative roofline and rainwater profiles.

Freefoam's products add style and definition to both the exterior and interior of any new building. All our products are designed to eliminate costly, time-consuming maintenance. They are resistant to acids, alkalis and other pollutants, and will not warp, crack, discolour or blister. They are lightweight and easy to install using traditional methods and tools.

Structural designs and trends change constantly, as do the personal preferences of homeowners. To satisfy the diverse needs of our customers, our products come in a wide

variety of colour profiles that will complement any design. The look of timber is also very popular within the market, despite the heavy maintenance requirements and the costly, time-consuming repair work. To compliment both traditional and contemporary house styles, Freefoam have a variety of profiles available in a choice of four woodgrain finishes that give the appearance of timber without the associated maintenance. The range includes fascias, soffits, trims and accessories, allowing you to achieve a consistent woodgrain finish throughout.



to perform

to protect
& to decorate

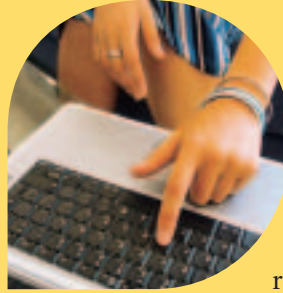
Our Quality

Freefoam's products are designed to protect, to decorate, to ventilate, to insulate... in short, to perform. We are committed to delivering excellence and innovation in our products as standard. We have established a reputation for quality, and all our products are manufactured to strict standards.

Our roof trim system is accredited by both the British and Irish Agrément Boards (the BBA and IAB). We operate to ISO 9001:2000 quality standards for continuous improvement across all of our operations, processes and procedures, to ensure that you receive the highest level of quality and service. Our products are comprehensively tested and meet industry standards for fire-resistance. They also have high thermal insulation properties.

Freefoam are committed to working in harmony with the environment. Our plant produces no emissions and we strive to eliminate as much waste from our manufacturing processes as possible. Our products are lead-free, and manufactured using an environmentally-friendly advanced formulation.

Our products are impact-resistant, easier to work with and are guaranteed colourfast. These features provide significant advantages to users of Freefoam products.



Freefoam offer a 20-year extended guarantee – an impressive addition to any 'New Owner's Pack'. This is available on all products used in Freefoam roofline and/or rainwater installations where no other brand of product was used.

Details of our 20-year guarantee scheme are available from Freefoam-registered installers or online at www.freefoam.com/guarantee

In other cases, where Freefoam products are used with other products for an installation, our products are guaranteed for 10 years against warping, cracking, discolouration and other surface defects. This warranty applies to all products in all colours and woodgrains across the Freefoam range of roof trim fascias, soffits and rainwater systems.



Our Support

Freefoam support the excellence and innovation of our products through our proficient and professional service. We offer a wide range of technical services, advice and support to designers, architects and specifiers.

We work in partnership with our customers to ensure that we deliver what you need, when you need it, and this includes service, advice and support. The range of support services we offer includes:

- Design and specification assistance to ensure that products are correctly specified and installed
- RIBA-approved (Royal Institute of British Architects) to provide Continuing Professional Development (CPD) seminars to architects, specifiers and other construction industry professionals
- The production of priced schedules from working drawings for houses and sites, to ensure the accurate supply of our products to the site through our approved specialist stockists
- Guidance on installation, through our onsite training and our Technical and Specification Manual
- Advice available on site from our trained and experienced staff, and from our specialised stockists
- All sites will be provided with a site package, which includes priced schedules, fitting details, contacts, COSHH details, risk assessments and all health and safety details.

Our Specifications

Composition

Freefoam manufacture cellular PVC-UE profiles to ISO 9001:2000 quality standards, using an inward process of extruding PVC-UE. They are composed of an enclosed cellular core, capped by a hard, smooth integral skin. There is no water absorption. We do not use CFCs in the manufacture of PVC-UE, and our products do not contain lead or any other similarly hazardous material.

Thermal movement

The coefficient of linear expansion on white material under test conditions is 5×10^{-5} per °C (or 3×10^{-6} per °F). Our products should not be installed in temperatures exceeding 30°C (85°F). We also discourage fitting our products at temperatures below 1°C (33°F), unless you have made adequate allowance for subsequent expansion.

When fixed as recommended, the expansion of PVC-UE profiles is controlled within the product fixing. However, we recommend that you leave a gap of 0.1% of the profile length at the end of each profile to allow for a degree of expansion.

Thermal conductivity

Cellular PVC-UE profiles have a low coefficient of thermal conductivity. The profiles have insulation properties better than timber, brick or concrete. The 0.035 W/M°C (0.02 Btu/Hr ft°F) value indicates that a property would have insulation three-times better than a timber alternative.

Fire rating

Cellular PVC-UE profiles do not burn freely in the absence of flame and they do not support combustion. The profiles (tested to BS476 Part 7 1971) achieve a Class 1Y minimum surface spread of flame rating.

Density

The density of Freefoam's cellular PVC-UE generally falls between 0.50 to 0.42 g/CM³ (31 to 26 lbs/ft³).

Colourfastness

Freefoam's cellular profiles are assessed in accordance with BS1006 1978 Part A0.3, and you should expect no significant change in whiteness for a minimum of ten years.

Please note that full details on packaging, storage, installation and maintenance are available on request.

Your local Freefoam Stockist/Installer:

Please call **Freefoam** direct on
021 4911055 (IRL) or
01604 759871 (UK)
if you want to confirm status of
the above stockist/installer



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