



# Daylighting for Industrial Buildings

# Industrial Rooflights

In the competitive world of industrial property development, creating versatile, energy-efficient buildings is of paramount importance. A major factor for industrial buildings is the incorporation of natural daylight.

Rooflights are an important part of this as they reduce the need for artificial lighting and thus running costs as well as contributing to higher standards of health, wellbeing and safety.

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# Sustainable, cost saving solutions for a new generation

At Brett Martin we are committed to a lower carbon future.

We are at the forefront of the drive to reduce embodied carbon through efficient manufacturing and the lowering of operational carbon in buildings through the design of energy saving roofing products.

Our policy to Reduce, Reuse and Recycle is lessening our impact on the environment with innovative developments in manufacturing, packaging and energy use across our business.

Partnering with Brett Martin is an effective way to introduce intelligent carbon reducing solutions to your next development project.



Mallusk



Coventry



Our membership of **Planet Mark's** Net Zero programme represents the way we measure and reduce our carbon use as we work to build a sustainable brighter future for us and our planet.



Our dedicated **solar and wind power** generation provides clean energy and saves over 1700 tonnes of CO<sub>2</sub> each year at our Mallusk manufacturing site.



Our site in Coventry is supplied by **100% renewable electricity** which is helping to reduce our carbon impact.



The raw material used to produce our BioPlus Clickfix façade panel delivers a 71% reduction in fossil based resources and an 81% reduction in embodied carbon.

# Daylight - the accepted essential

Rooflights improve the internal environment for occupants which many studies have found increases well-being and mental alertness as well as having a positive impact on productivity.

The essential value of daylight has been accepted by professionals since architecture began and for decades its inclusion has been secured by regulations and the bodies reinforcing good design practice. Today a naturally lit building is widely held up as the preferred solution.



BREEAM®



# Unbiased advice about the best solutions

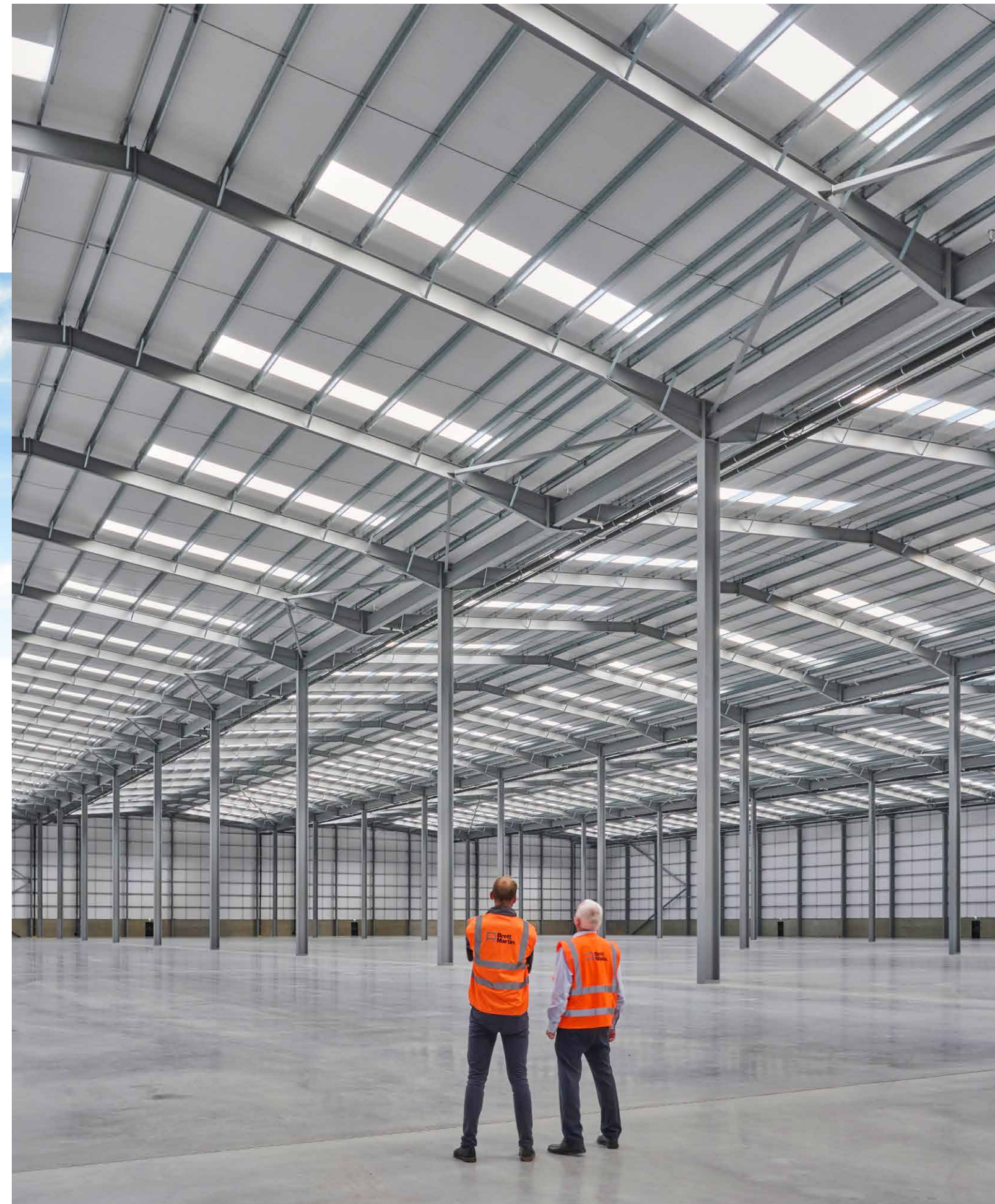
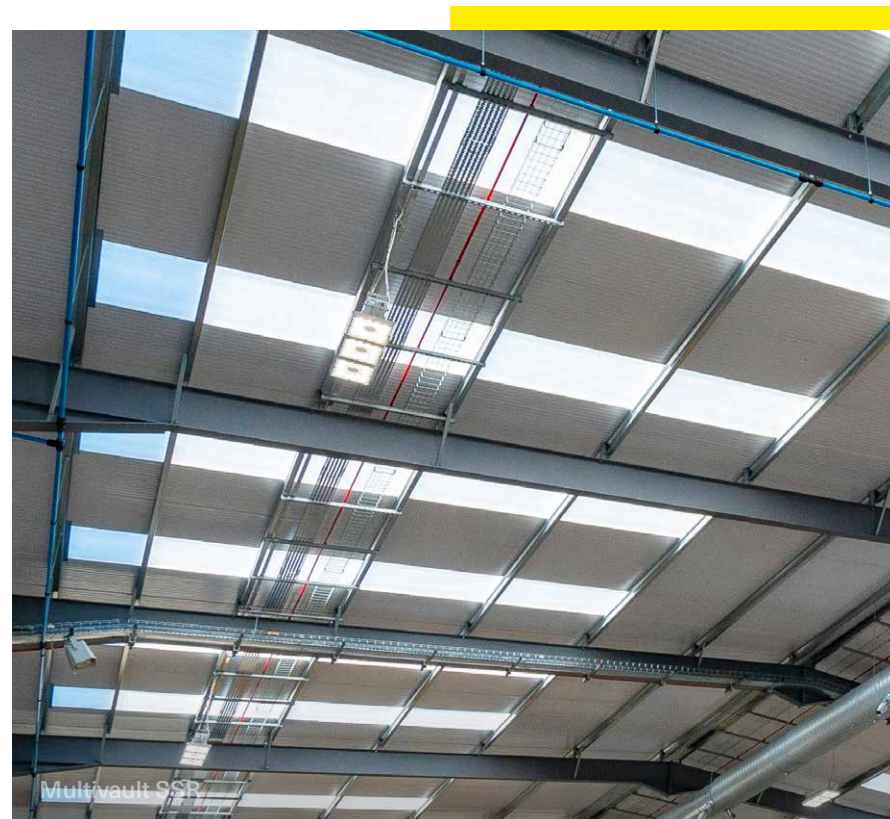
The extensive range of 'rooflight types' on offer including; Site Assembled, Factory Assembled Insulated Rooflights and Vaults, means that we can provide unbiased advice about the best solutions - all of which are fully compliant with UK building regulations and relevant industry standards.



# A leading light in daylight solutions

Brett Martin has extensive experience of creating bespoke solutions for daylighting any scale of industrial buildings including many high calibre projects.

The installation efficiency and commercial benefits of Brett Martin rooflights are recognised by installers and building owners leading to widespread use on large modern warehouses and units within huge industrial developments.



# Not your average rooflight

The consistent quality and strength of our products derives from our exceptional technical expertise, delivering proven product performance and long product life cycles.

Underlap Strip

Multiwall Insulation Layer

Hardpak Internal Support

Reinforced End Filler

Non-fragile weather sheet

Standard Fixings

# Key Accomplishments



More than 60 years' experience



Innovative daylighting solutions for many building types from small industrial units to the ever increasing mega logistics hubs throughout the UK



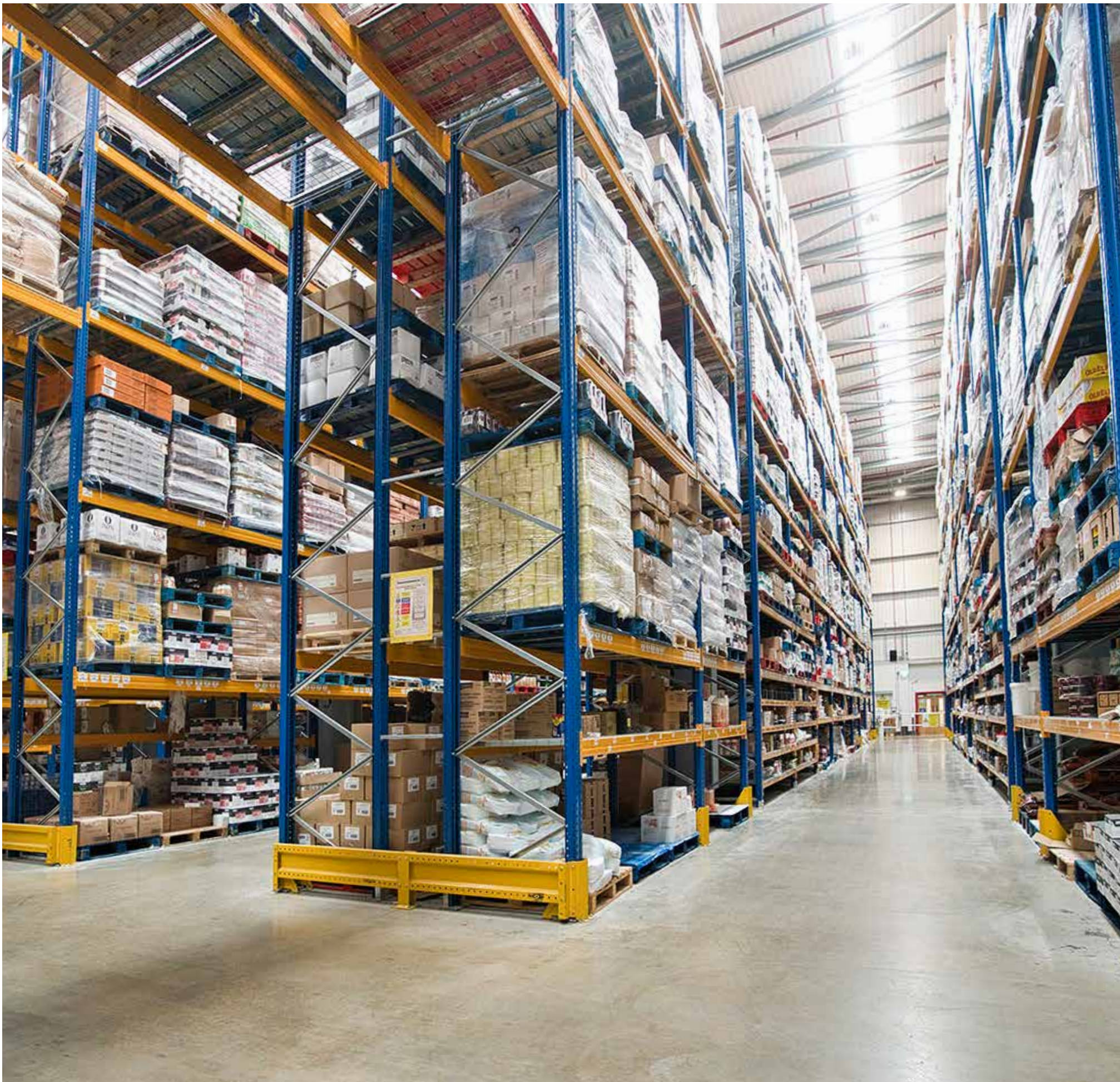
UK manufacturer with BBA approvals for all our In Plane rooflights



Environmental Product Declarations for Trilite Site Assembled and Energysaver FAIRs



Energysaver FAIRs supplied to the first net zero carbon for construction verified building: Magnitude 314 for GLP - investor and developer of logistics warehouses and distribution parks - in line with the UKGBC Net Zero Carbon Buildings Framework Definition



## SUITABLE PRODUCTS

Brett Martin has an extensive range of Rooflights and Vertical Glazing products that are suitable for daylighting industrial buildings.

Brett  
Martin

# Systems

## FACTORY ASSEMBLED ROOFLIGHT SYSTEMS

### EnergySaver FAIRs

Innovative triple skin factory assembled insulating rooflights (FAIRs) for daylighting composite panel applications

## SITE ASSEMBLED ROOFLIGHT SYSTEMS

### Site Assembled

Easy to install Site Assembled GRP Rooflight systems which offer a wide range of options and choice of product performance

# Vaults

## VAULTED ROOFLIGHTS

### Multivault GRP

Factory assembled modular GRP barrel vault rooflight for industrial building applications

### Multivault SSR

Site assembled modular polycarbonate vault rooflight designed specifically for standing seam roofs

### Marvault

Versatile aluminium framed and polycarbonate glazed barrel vault rooflight with wide spanning capability

# Sheets

## ROOFLIGHT SHEETS & INSULATION

### Trilite GRP

Standard and reinforced strength GRP sheet range

### Safelight

Heavyweight GRP sheet providing the safest form of daylight

### Marlon CS

High performance profiled polycarbonate sheet

# Glazing

## VERTICAL PANEL GLAZING

### Marlon Clickfix VF

Thermally broken aluminium glazing frame system for use with Marlon Clickfix interlocking polycarbonate panels

# Accessories

## RAINWATER

### Deepstyle Rainwater Systems

High performance systems for robust and effective large capacity roof drainage

## ROOFSEALANTS

### Fillers, Tapes & Sealants

Comprehensive range of tried, tested and trusted Roof sealants

# EnergySaver FAIRs

## Triple skin Factory Assembled Insulating Rooflights

Energysaver composite panel rooflights are innovative triple skin Factory Assembled Insulating Rooflights (FAIRs) for composite roofs, manufactured from GRP. They offer the best quality diffused natural daylight, thermal performance and ready-to-fit convenience for wide-span buildings.

### Benefits

- Excellent quality diffused natural light transmission
- Compatible with standard roof panels
- Can be tailored to meet specification
- Range of safety and fire ratings to meet all requirements
- Rapid 'fit and forget' trouble free installation
- Ease of handling on site
- Long lifespan with minimal maintenance requirement

### Applications

- Factories & Warehousing
- Distribution Centres
- Retail Outlets
- Leisure Facilities

### Product Features

Light transmission of 65-70% diffused (55-65% on heavier sheet weights)

U-value of 1.9W/m<sup>2</sup>K with options as low as 0.9W/m<sup>2</sup>K

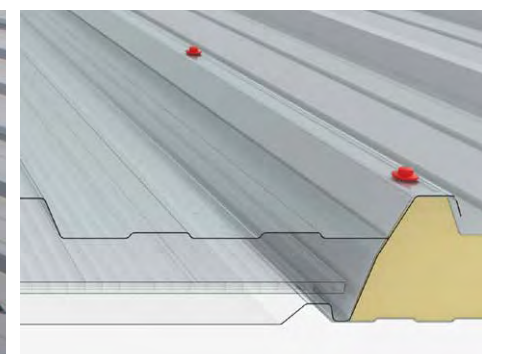
Outer sheets supplied with Superlife™ enhanced UV surface protection.

Optional Diamond protection for protection against weathering, UV degradation and chemical attack

Life span 25 years + (Trilite 30 and above), with Diamond protection 30 years +

Class B non-fragility to ACR[M]001

BRE globally Verified EPD (Environmental Product Declaration)



# Site Assembled

## GRP Site Assembled Rooflight Systems

Brett Martin Site Assembled rooflight systems are manufactured in GRP and offer a wide range of options and choice of product performance. Quick and easy to install into the surrounding corrugated sheeting, all sheets achieve the highest levels of profile accuracy and cover a range of safety levels, U values and fire ratings. Single and multi-skin rooflights are available for a huge variety of applications.

### Benefits

- Excellent diffused natural light transmission levels
- Wide and growing selection of over 1,000 profiles available to match corrugated metal cladding
- Ability to meet individual requirements for non-fragility, fire rating and U-value
- Simple to install and cost competitive
- Comprehensive service back up and technical expertise
- Long lifespan with minimal maintenance requirement
- Suitable for new-build and refurbishment projects

### Applications

- Factories & Warehousing
- Distribution Centres
- Commercial Premises
- Agricultural Buildings

### Product Features

Trilite GRP and Safelight sheets available in multiple grades to meet any specification

Range of weathersheet, liner and intermediate insulation options available

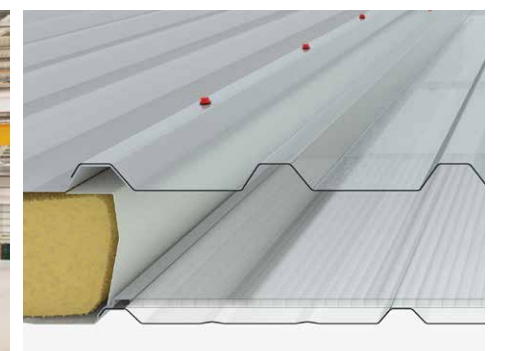
Standard triple skin configuration achieves U-value of 1.3W/m<sup>2</sup>K with options as low as 0.9W/m<sup>2</sup>K

Weathersheets supplied as standard with Superlife™ enhanced UV surface protection.

Optional Diamond protection for enhanced durability

Safelight heavyweight sheet option engineered for ultimate durability and safety

BRE globally Verified EPD (Environmental Product Declaration)



# Multivault GRP

## Factory assembled modular GRP barrel vault rooflight

Multivault GRP rooflights lap together to form rooflights of unlimited length with spanning capabilities up to 4 metres and are delivered to site in a factory assembled ready to install form. Multivault GRP is ideal for all roof types and are fitted onto separate kerbs, without any fixings penetrating the roof covering to preserve the principle of secret fix.

### Benefits

- Delivers high levels of diffused natural daylight
- Versatile design from 1m-4m wide spans and suitable for integration in all standard low pitch roofs
- Modular units for unlimited run lengths
- Thermally efficient with no thermal bridging, contributing to Part L compliance
- Class B non-fragile to ACR[M]001 when fully installed, giving high levels of safety
- Life expectancy of 25 years with minimal maintenance requirement

### Applications

- Factories & Warehousing
- Distribution Centres
- Commercial Premises
- Leisure Facilities

### Product Features

Manufactured from durable industrial grade GRP with different fire rating options

Suitable for flat, curved, standing seam, low and standard pitch roofs

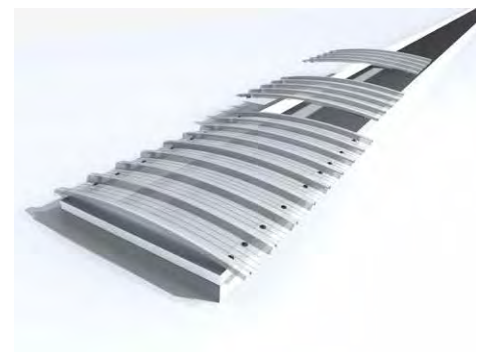
Modular Continuation units and end units with integrated end closures

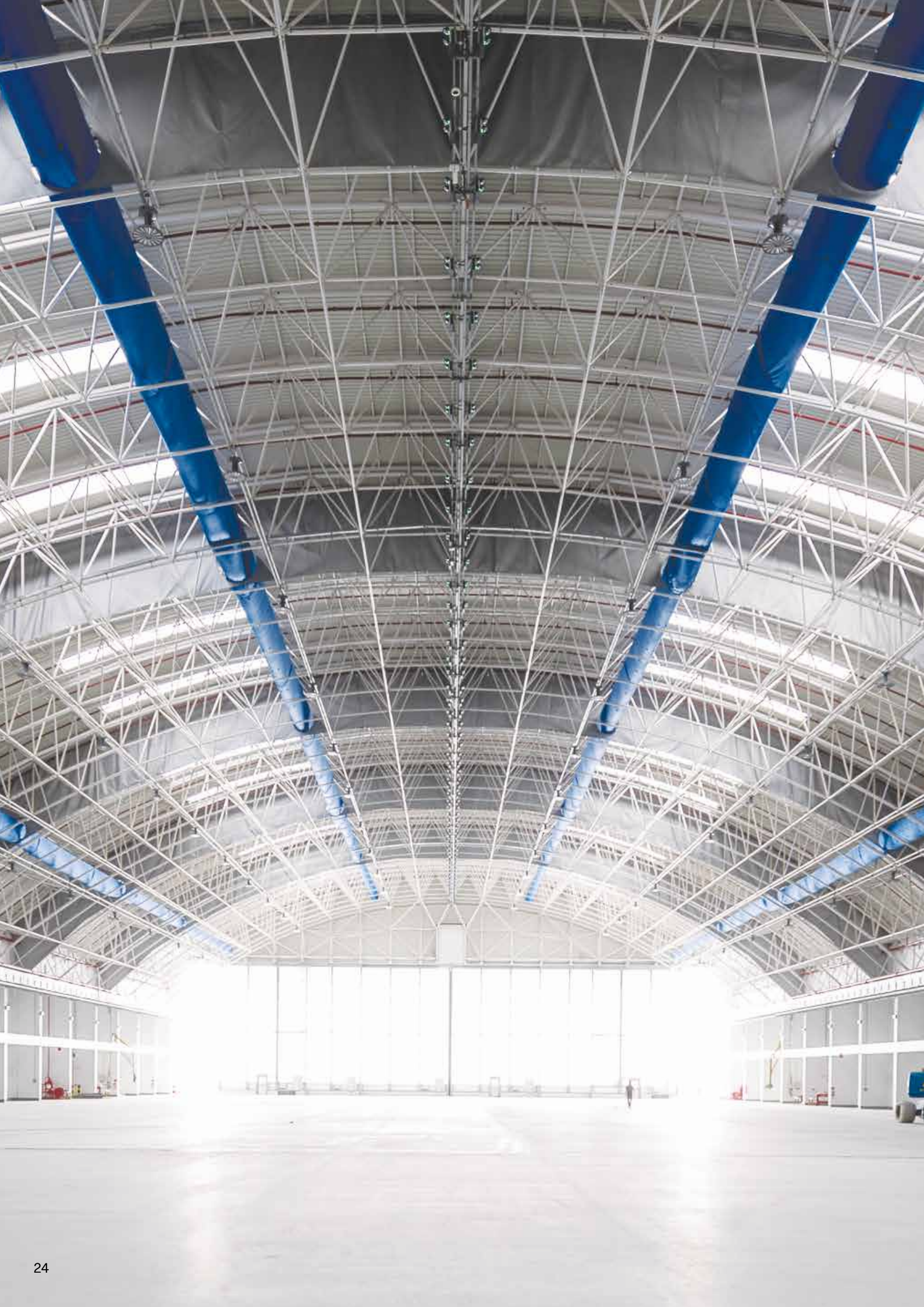
U value of 1.3W/m<sup>2</sup>K on triple skin Multivaults, exceeding Part L requirements

Integrated aluminium bar and insulated aluminium end closures create a robust rooflight

Hardpak side fillers provide greater support for fasteners ensuring reliable installation

Water managed aluminium section in all under lap corrugations add rigidity and fixing when required





# Multivault SSR

## Site assembled modular polycarbonate vault rooflight

Multivault SSR is a site assembled profiled polycarbonate vault rooflight designed for use with standing seam roofs. Multivault SSR is designed to be installed onto a kerb which can be created from standard standing seam verge components and forms a completely watertight roof covering. The design is approved by leading standing seam manufacturers.

### Benefits

- Delivers high levels of diffused natural daylight with aesthetic comparable to standing seam roofing
- Specifically designed for integration with standing seam systems
- Modular units for unlimited run lengths
- Thermally efficient with no thermal bridging, contributing to Part L compliance
- Class B non-fragile to ACR[M]001 when fully installed, giving high levels of safety
- Life expectancy of 20 years with minimal maintenance requirement

### Applications

- Factories & Warehousing
- Distribution Centres
- Aircraft Hangars
- Retail & Leisure Facilities

### Product Features

Designed for simple creation of triple skin rooflights by installing single skin Multivault SSR over in-plane liner and Cleartherm intermediate sheet

Units supplied as Down Slope, Continuation, Up Slope or Crown Units for any combination of run type

Modular 1000mm continuation units with separate 250mm end closure units

U value of 1.3W/m<sup>2</sup>K on triple skin Multivaults, exceeding Part L requirements

Units specifically designed to fit onto the standard verge closure / kerb detail supplied by the standing seam supplier

No through fixings with no roof penetrations when correctly fitted to standing seam roofing

Span of 1200mm (standing seam opening)



# Marvault

## Versatile aluminium framed and polycarbonate glazed barrel vault rooflight

Marvault is an elegant aluminium rooflight system with polycarbonate glazing suitable for a wide range of applications, including low-pitch, curved and flat roofs. Marvault rooflights can span roof apertures up to 7m wide and of unlimited length and daylight area is maximised through wide bay centres. With discreet fixings both external and internal finishes have clean, uncluttered lines and the precision engineered aluminium framed system is easy to install.

### Benefits

- Large glazed areas with maximum daylight with spans up to 7m and glazing bar centres up to 1070mm
- Premium internal and external appearance ensured with elegant framework, discreet fixings, and choice of powder coating to any RAL colour
- Optimal architectural, performance and cost requirements delivered with options for solid or multiwall glazing and adjustable height rise
- Powered opening ventilation panels create a comfortable ventilated internal environment
- Class B non-fragile to ACR[M]001 when new and fully installed, giving high levels of safety
- 10 year guarantee and 20 year service life

### Applications

- Commercial Premises
- Leisure Facilities
- Retail Outlets
- Schools & Colleges

### Product Features

Span of 1m-7m as standard

Rooflights of unrestricted lengths can be created

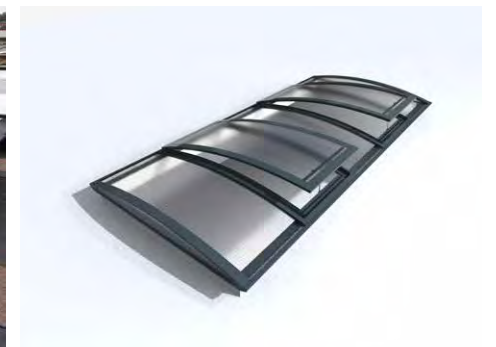
Innovative aluminium glazing bar invisibly fixed at the base

Standard glazing U-value of 1.9 W/m<sup>2</sup>K, other options available

Glazed with Marlon ST Longlife and Marlon FSX, multiwall and solid polycarbonate sheet

Offers exceptional impact resistance and surface protection

Various powered opening configurations available





# Trilite GRP

## Standard & reinforced strength GRP sheet range

Trilite GRP rooflight sheeting offers options which meet or offer significantly greater safety margins than the minimum standard. These rooflights are most commonly used as multiple skins in structures with profiled metal or fibre cement cladding where little or no roof access is required after installation, or in the case of reinforced sheets, where roof access after construction is regular.

### Benefits

- Can be specified and installed to be Class B non-fragile to ACR[M]001 (25 years)
- Excellent diffused natural light transmission levels
- Profiles to match almost all roof cladding systems
- Long lifespan with minimal maintenance requirement



### Product Features

Available weights: 1.8kg/m<sup>2</sup>, 2.4kg/m<sup>2</sup>, 3.0kg/m<sup>2</sup>, 3.6kg/m<sup>2</sup> or 4.5kg/m<sup>2</sup>

Superlife™ enhanced UV surface protection supplied as standard

Specification of 'Diamond' surface protection adds additional resistance to weathering and UV degradation

BBA approved

BRE globally Verified EPD (Environmental Product Declaration) specific configurations

### Applications

- Factories & Warehousing
- Distribution Centres
- Commercial Premises
- Agricultural Buildings

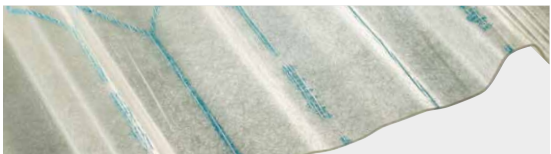
# Safelight

## Heavyweight GRP sheet

Safelight provides the highest level of safety and longevity in metal clad roofs, satisfying the 'HSE' preferred option for long term non-fragility. Safelight is suitable for roofs that require frequent and unlimited access and in these instances, will provide the optimum level of safety.

### Benefits

- Non-fragility (Class B to ACR[M]001) for 30 years+ achieved from rigidity of sheet without dependence on fixings
- Good diffused natural light transmission levels
- Profiles to match almost all roof cladding systems
- Long lifespan with minimal maintenance requirement



### Product Features

Weight of 5.5kg/m<sup>2</sup> (Approx 3mm thick)

'Diamond' surface protection adds additional resistance to weathering and UV degradation

Deflects less under wind-load, reducing sheet movement with less damage and wear to seals and fixings

Tight fit at laps created by spreading the load from fixings and compressing the seals evenly, so less chance of leakage

### Applications

- Stadia & Arena
- Factories & Warehousing
- Distribution Centres
- Commercial Premises

# Marlon CS

## High performance profiled Polycarbonate sheet

Marlon CS profiled polycarbonate sheet is a high performance rooflighting and glazing material with co-extruded Longlife UV protection. The sheet is light in weight yet strong and durable with better impact resistance than other glazing materials and is typically used to form large area glazing / complete roof coverings.

### Benefits

- Clear options provide almost 90% light transmission (a variety of tints allow solar control)
- Extensive, increasing range to suit profiled roofing and cladding materials
- Longlife UV protection provides long term weatherability and cuts out 98% of harmful UV radiation
- Optional Heatguard tint transmits light but deflects solar radiation, reducing solar heat gain by up to 50%
- Impact resistance of up to 200 times that of glass

### Applications

- Factories & Warehousing
- Stadia & Arena
- Commercial Premises
- Agricultural Buildings

### Product Features

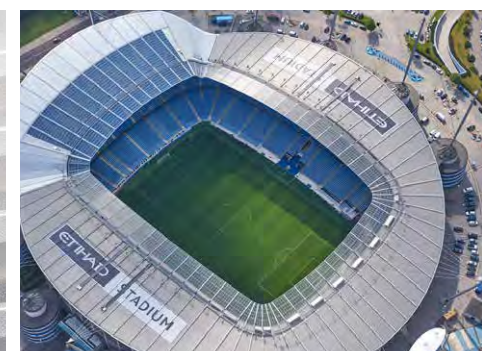
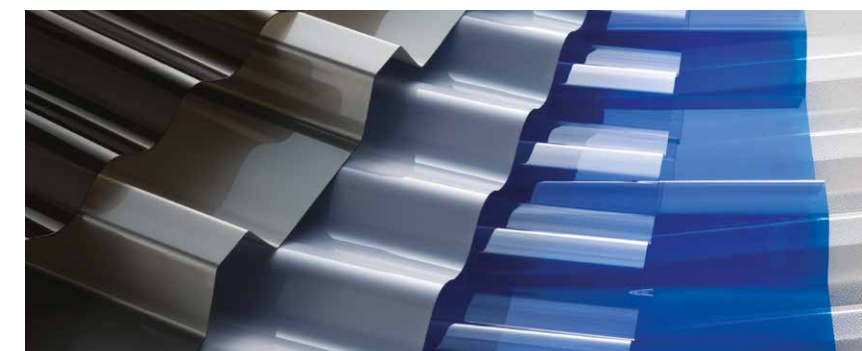
Rooflights – single, double or triple form

Sheet thickness: 0.8mm-2mm (for different applications)

Colours & Tints: Clear, Bronze, Opal, Diffuser Opal, Green, Blue, Heatguard

Specials: Special transparent, translucent and opaque options

Optional: Double sided UV protection, IR Heat Block, Condensation Control



# Marlon Clickfix VF

## Thermally broken aluminium glazing frame system

Marlon Clickfix is a complete architectural multiwall polycarbonate panel glazing system providing quality natural light, superior thermal insulation and UV protection in addition to the impact resistance, resilience and structural strength inherent in polycarbonate. The modular design consists of interlocking panels which simply click and fix into place to provide a seamless glazing option.

The panels are used with glazing bar frames including the VF90 polycarbonate glazing frame which is suitable for vertical facades, northlights, cladding and partitioning applications internally and externally. Marlon Clickfix offers a thermally efficient method of introducing natural light into a building and is suitable for a wide range of commercial and industrial applications.

### Benefits

- Fully thermally broken system
- Seamless glazing aesthetic
- Easy to use system for quick on-site installation
- Frame can be powder coated to job specific requirements
- Maximum airtightness
- Good acoustic performance
- Cost effective and lightweight vertical glazing
- 10 year performance warranty

### Applications

- Factories
- Sports & Leisure Facilities
- Retail Outlets
- Schools & Colleges

### Product Features

Panel structure: 40 mm thick, 10wall

U value 0.99 W/m<sup>2</sup>K

Superb Spanning capabilities

Glazing: standard colours, special tints & UV protection options available

Glazing bar: standard mill, polyester powder coating and special colour options available

### BioPlus

Clickfix can be specified as BioPlus with low carbon credentials. The raw material used to produce our BioPlus Clickfix façade panel delivers a 71% reduction in fossil based resources and an 81% reduction in embodied carbon.



# Deepstyle Rainwater Systems

High performance systems for robust and effective large capacity roof drainage

In addition to its portfolio of rooflights, Brett Martin also manufactures a range of high quality PVCu Rainwater systems. These are designed to facilitate fast, efficient, economical installation combined with exceptional reliability which provides the installer and end user with satisfaction, peace of mind and a full comprehensive guarantee.

The Rainwater range includes the Deepstyle systems - high performance rainwater systems offering increased drainage capacity with maximum durability to cope with the demands of high capacity domestic and industrial environments.

## Benefits

- Safe to handle and easy to install
- Strong and durable lightweight PVC plastic
- Exceptional long term reliability
- UV stabilised to prevent discoloration
- Manufactured to relevant standards
- 10 year warranty

## Applications

- Factories & Warehousing
- Commercial Buildings
- Agricultural Buildings
- Large domestic buildings

## Product Features

Semi-elliptical gutter profile

Gloss finish

Available in up to 6 colours

Available in 170mm and 115mm sizes

Complimented by a full range of compatible downpipes and fittings.

Fully tested for accelerated ageing in accordance with BS EN 607

Loading capabilities tested to BS EN 1462



# Roof Sealants

Comprehensive range of tried, tested and trusted Fillers, Tapes and Sealants

Brett Martin has combined its extensive roofing industry experience with established and proved supply partnerships to offer a comprehensive range of tried, tested and trusted Roof Sealants comprising Fillers, Tapes and Sealants. Everything you need for the sealing and bonding of roofing, cladding and glazing can be ordered from our dedicated Roofsealant shop where you will benefit from our extensive knowledge, good product availability, rapid delivery and excellent service.

### Benefits

- Tapes and Sealants sourced from industry leading manufacturers
- Fillers manufactured in the UK to highest standards of profile accuracy, design and quality
- All product offer premium performance, durability & safety
- Quality products at competitive prices
- A dedicated customer support team
- Expert technical advisors for more complex queries and advice

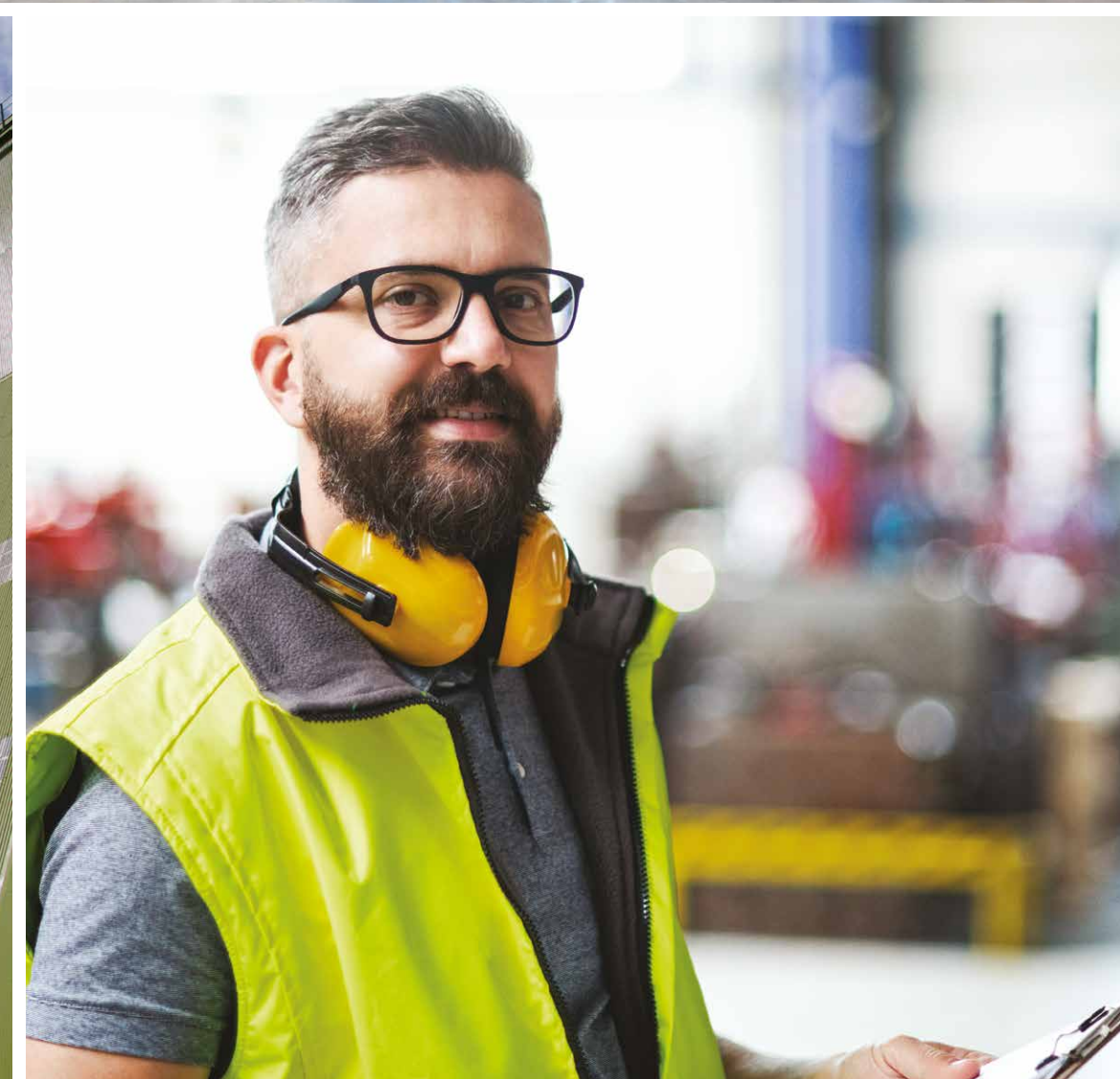
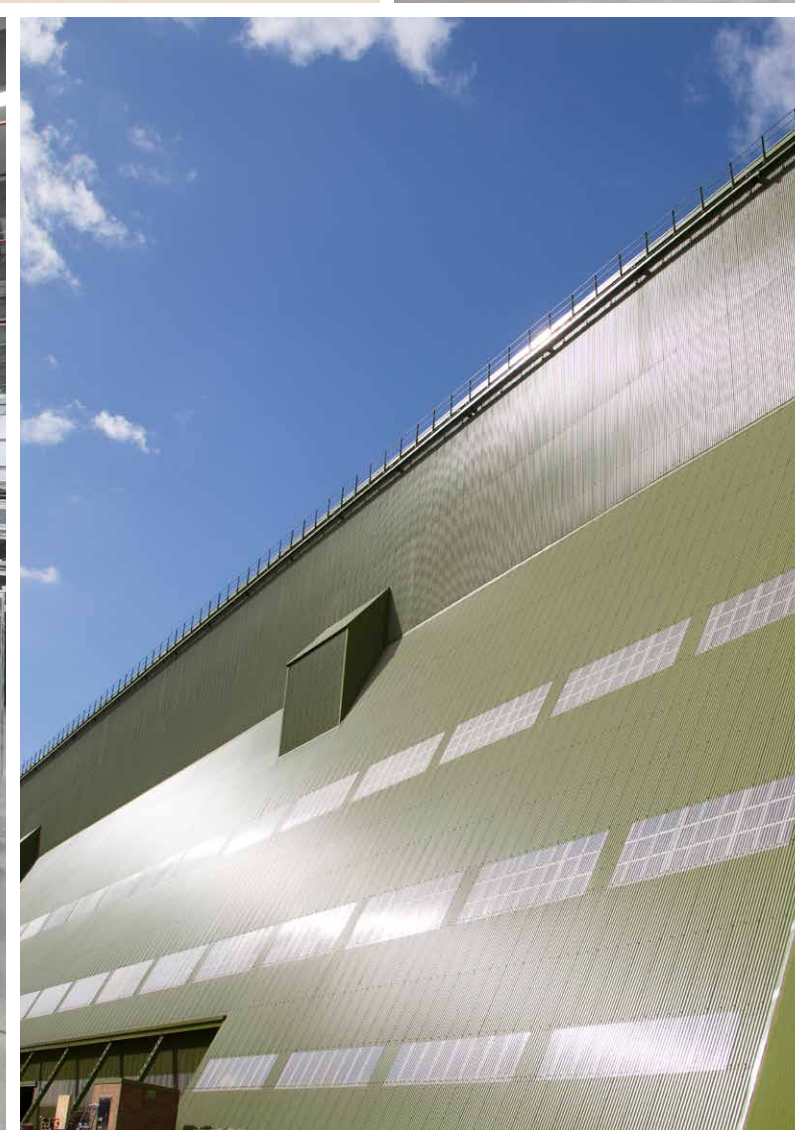
### Applications

- Factories & Warehousing
- Stadia & Arena
- Commercial Buildings
- Domestic buildings

### Product Features

- Fillers manufactured to bespoke requirements
- Extensive Fillers Profile Identification Guide
- Fillers for cladding, rooflights, airsealing and fire or acoustic sealing
- Tapes and Sealants available for everyday tasks and specialist work
- Tapes for different purposes including waterproofing and airtightness
- High quality range of coloured silicones available
- All products available in a wide range of materials, colours and thicknesses





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