BRITMET

LIGHTWEIGHT ROOFING

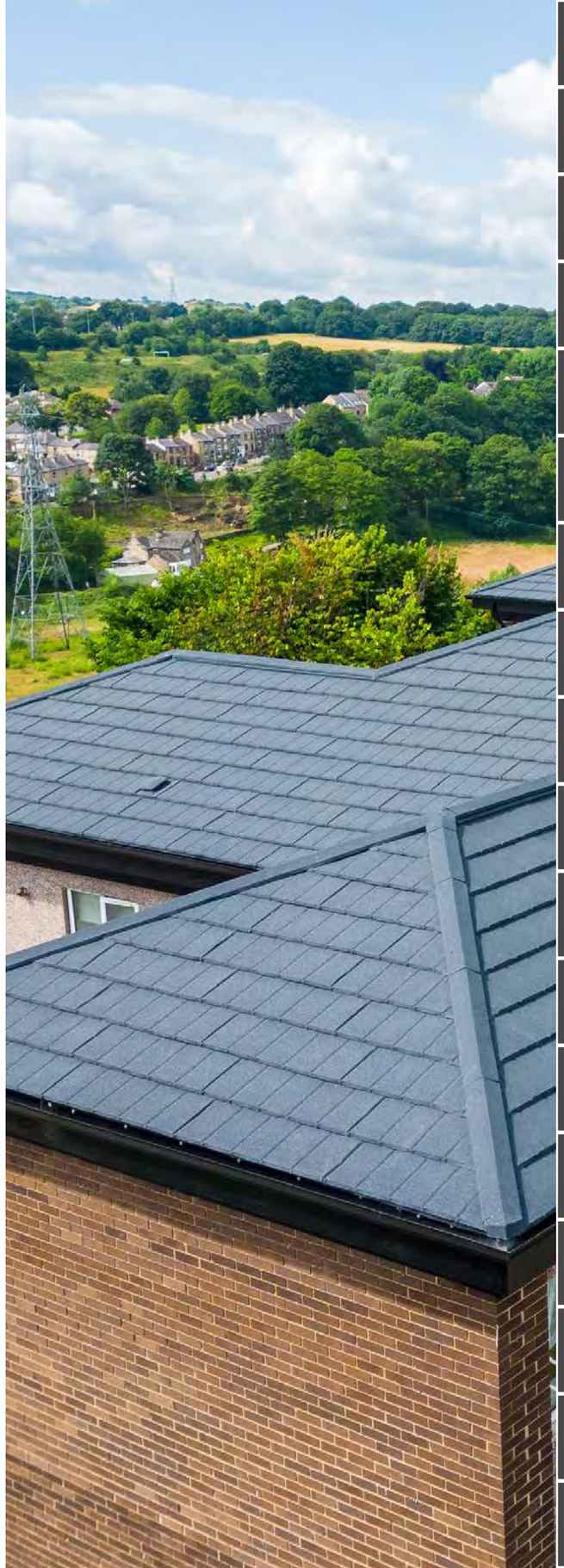
ENVIRONMENTAL ISO CERTIFIED isoassured 14001

BBA APPROVAL INSPECTION TESTING CERTIFICATION

MADE IN BRITAIN

NBS Source PARTNER

CONTENT



ABOUT BRITMET

Who We Are

Britmet Lightweight Roofing is a proud British manufacturer with over 50 years of experience in the roofing industry. We're committed to innovation, sustainability, and delivering high-performance roofing products that meet the needs of modern construction.

Based in the heart of the UK, our in-house team designs, tests, and produces all of our lightweight roofing systems with the utmost care and precision. We're trusted by homeowners, architects, local authorities, and roofing contractors across the country and beyond to provide roofing solutions that offer both aesthetic appeal and long-term reliability.

Denham Waterski Club, Slate 2000

Sunnybank Grange, Britframe and Slate 2000

Leaders in Non-Traditional Housing Solutions

For more than five decades, Britmet has been at the forefront of developing roofing tiles and systems specifically engineered for non-traditional housing. From early post-war properties to modern modular builds, we have continually innovated to meet the unique challenges these structures present. Our lightweight, durable profiles provide a practical and aesthetically pleasing alternative to traditional roofing materials, offering improved performance, reduced maintenance, and enhanced longevity. Today, our solutions are widely used in refurbishment, regeneration, and energy-efficiency upgrade programmes across the UK, helping to future-proof thousands of homes.

With a diverse product range that includes tile effect sheets, synthetic slate, and anti-vandal solutions, Britmet offers tailored roofing systems for residential, commercial, and public sector projects. Our products are not only quick and easy to install but also engineered to withstand the harshest weather conditions, providing peace of mind and lasting performance. Backed by comprehensive warranties and dedicated technical support, we continue to set the standard in lightweight roofing across the UK and overseas.

Our Complete Design Solution

At Britmet Lightweight Roofing, our technical team supports you from the earliest design stage to deliver the most suitable solution through our Total Design Solution service.

1. Client Overview

We work with the client to clearly identify and define the essential requirements for an effective roofing solution.

2. Site Survey

We assess the current roof's condition, using drone surveys and core samples as required to identify the current issues.

3. Project Strategy

We develop solutions guided by our findings, the client brief, and project requirements. We also factor in key elements such as required U-values.

4. Project Outline

We provide a full roof specification with drawings, rainwater and U-value calculations, and engineer reports as required, plus a list of Britmet Approved Installers for tender stage.

5. Accredited Contractor Installation

After the tender is awarded, our approved contractors will carry out the on-site installation of the specified solution.

6. Site Visit

Our Site Technicians will visit during installation to produce progress reports with photos, ensuring all specification requirements are met.

7. Final Checks & Warranty

When installation is finished, our Site Technician completes the final sign-off and requests the warranty, providing cover for both materials and workmanship.

What Services Do We Provide?

We offer a comprehensive suite of expert services designed to support and streamline every stage of your roofing project.

Specification Support

We offer free feasibility checks, quotes, surveys, NBS specs, and technical drawings, along with expert guidance from your dedicated Britmet representative throughout the entire process.

Installation Services

Access our national network of certified Britmet Installers, all trained to fit our lightweight roofing systems to the highest standards, with ongoing training and support ensuring consistent quality nationwide.

Project Assist

Britmet provides fully managed project support, covering planning drawings, submissions, structural calculations, building control, and rainwater system calculations, ideal for clients and contractors wanting to reduce workload and speed up delivery with minimal outsourcing.

Info & CPD Training

Britspec provides instant, professional outputs, NBS specs, thermal calculations, load tables, case studies, and drawings all fully exportable and brandable. We also offer free CPD accredited seminars, in person or online, to help professionals get the most from our lightweight roofing solutions.

Why Use Britmet?

When it comes to lightweight roofing solutions, Britmet stands apart as a trusted British manufacturer with a reputation built on quality, innovation, and customer service. Here's why so many professionals across the UK choose Britmet:

Ysgol Rhydypennau School, Slate 2000

Unmatched Product Range

Britmet offers the largest selection of lightweight roofing systems in the UK, including tile-effect and slate-effect profiles designed to complement both modern and traditional architecture. Suitable for projects ranging from New-Build Housing and educational buildings to pavilions, village halls, community spaces, conservatories, park homes, and refurbishment projects, our solutions combine strength, style, and durability.

Ease of Installation

Designed with installers in mind, Britmet systems are lightweight, quick to fit, and compatible with a wide range of structures. This not only reduces labour time but also minimises disruption for occupants.

Sustainable and Cost-Effective

We are committed to sustainability by using recyclable materials and manufacturing processes that reduce waste. Our roofing systems also deliver long-term value through low maintenance requirements and exceptional durability, ensuring a cost-effective solution for every project.

Unrivalled Support and Service

From technical advice and product training to aftersales support, Britmet partners with professionals every step of the way. Our UK-based team ensures that every customer receives the guidance they need to deliver projects with confidence.

BRITMET 50 YEAR WARRANTY

Market-leading protection that will last beyond 50 years.

Sunnybank Grange, Britframe and Slate 2000

Britmet Lightweight Roofing backs its full range, including granulated tile panels and composite roof slates with a market-leading **50-year product warranty**.

While most roofing warranties range from 15 to 40 years, Britmet sets a higher benchmark, reflecting long-standing confidence in the durability, performance, and quality of its systems. For property owners, specifiers, roofers, and contractors, it represents true long-term value.

Products such as Pantile 2000, specified on demanding projects including HM Prison Bullwood Hall and MOD training facilities, demonstrate the engineering integrity behind the promise.

Key Benefits:

- **50 Year Product Warranty** - Market-leading cover beyond industry standards.
- **Long-Term Assurance** - Built for lasting performance and reliability.
- **Proven Track Record** - Trusted on demanding, high-profile projects.
- **Lower Lifecycle Costs** - Reduced maintenance and replacement needs.

The 50-year warranty also supports sustainable construction. By focusing on long-term durability, Britmet helps minimise maintenance, replacements, and waste over time. Innovations such as Liteslate, which is made from polymers, over 93% of which are recycled, help combine environmental responsibility with high performance.

For contractors and builders, the benefits are clear: greater client confidence, stronger value propositions, and reassurance that every system is built to last. By embedding durability, sustainability, and assurance into every product, Britmet continues to raise the standard for lightweight roofing.

BUILT TO LAST | BACKED FOR 50 YEARS | TRUSTED ACROSS THE UK

Harrier Centre, Ultratile

STRONG, DURABLE & SECURE ROOFING SOLUTIONS

EDUCATIONAL BUILDINGS

Britmet Lightweight tiles install up to 3 times faster than traditional tiles. Work can be done quickly during school holidays, making our systems especially suitable for buildings with limited access periods and strict operational constraints. Britmet Lightweight Roofing systems also offer strong anti-vandal performance, reducing the risk of damage in high-traffic or exposed school environments.

The UK's educational estate faces challenges in maintaining safe, resilient, and efficient buildings, with roofs representing one of the most critical vulnerabilities. Many schools and college buildings date back to the 1950s–1980s. Decades later, these ageing assemblies are now well beyond their intended service life, with deterioration increasingly evident in water ingress, structural concerns, and compliance shortfalls.

Overall, roofing in UK educational buildings is not simply a technical challenge but a strategic one. Proactive investment in roofs safeguards teaching continuity, reduces whole-life costs, and improves energy efficiency through insulation upgrades. As the estate continues to age and climate pressures grow, tackling roofing risks is essential to providing safe, fit-for-purpose learning environments for future generations.

> "The Britmet Tactray 90 system was an obvious replacement for the RAAC as it allowed a vapour-sealed, fire-resisting element that made the building watertight prior to the traditional roof finishes being installed. This would allow internal work to progress much quicker and tightened the overall construction programme."
>
> **Neil Anyon, Architectural Technician at Gilling Dod Architects**

Ysgol Rhydypennau School, Slate 2000

Wellington School, Plaintile

SPEAK TO OUR TEAM TODAY **01295 250998**

CHALLENGES	OUR SOLUTIONS
High foot traffic & anti-vandal	Lightweight, durable systems with anti-vandal protection, reducing damage and maintenance in high-use educational environments.
Restricted Maintenance Time	Rapid, lightweight installation meets tight schedules, completing projects on time with minimal disruption.
Limited access for repairs	Long-life, maintenance-free roofing reduces access needs, disruption, safety risks, and long-term costs.
Legacy construction issues - asbestos and RAAC materials	Structural liner trays like Tactray 90 provide a strong internal liner for insulated systems, supporting safer, more efficient refurbishment of buildings.
Large Roof Spans- Challenging Drainage & Support	Lightweight, robust systems reduce structural load while supporting large spans and effective water management.

HOUSING

Across the UK, public and non-traditional housing is facing rising roof failures. Ageing flat, tile, and slate roofs, particularly on post-war steel, concrete, and prefab homes are increasingly prone to leaks, condensation, storm damage, damp, and mould which can drive an increase in complaints, costs, and health risks.

Stricter standards, including the Safety and Quality Standard and Awaab's Law, require landlords to act quickly and deliver safe, healthy homes, making long-term refurbishment solutions essential.

Lightweight modern roofing systems provide durable weather protection, improved drainage and ventilation along with upgraded insulation to support decarbonisation and lower energy bills.

With over 50 years' experience, Britmet delivers lightweight roofing solutions designed for non-traditional properties. Our systems enhance performance without overloading structures, replicate traditional British tiles, and come with a 50-year product warranty, helping councils and housing providers upgrade homes with confidence.

> "It was fantastic working with Britmet on this project. The lightweight Britmet Slate 2000 worked perfectly with our offsite-manufactured roof system, allowing full roof assembly at ground level in a safe environment. The completed roofs were transported and seamlessly installed on site, with up to four roofs fitted in a single day. This approach was key to the project's success, enabling rapid delivery and minimal disruption."
>
> **Karl Ventre, Managing Director, Starship Modular**

Orwell Drive, Plaintile Cladding

CHALLENGES	OUR SOLUTIONS
Structural Limitations of Non-Traditional Builds	We provide lightweight, low-pitch roofing systems for non-standard and MMC housing, reducing load and improving refurbishment performance.
Modular Construction Logistics & Integration	Our systems support modular construction with efficient installation, MMC compatibility, and streamlined logistics.
Flat Roof Drainage & Warranty Issues	Pitched-roof conversions stop ponding, improve performance and efficiency, and extend lifespan all backed by a 50-year product warranty.
Costly Repairs & Limited Access	Our roof conversions cut maintenance and deliver durable, long-term solutions—reducing lifecycle costs and improving asset performance.
External Wall Insulation	Our Plaintile profile can be used on a vertical structure to create a cladding system that integrates effectively with external wall insulation.
Asbestos Issue and Roof Leaks	Offer a full survey to check for any issues before the project starts.

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Denham Waterski Club, Slate 2000

PAVILIONS, VILLAGE HALLS AND COMMUNITY BUILDINGS

Harrier Centre, Ultratile

Many UK leisure and community buildings face water ingress, poor drainage, inadequate insulation, and vandalism which is disrupting the use and increasing costs. Refurbishments must now meet Part L of the Building Regulations, often requiring thermal upgrades, while tight budgets rely on external funding.

Roof upgrades offer a chance to improve insulation, drainage, sustainability, and long-term resilience, strengthening funding bids and reducing lifecycle risk.

Britmet Lightweight Roofing provides durable, regulation-compliant systems that minimise disruption, resist vandalism, suit heritage projects, and deliver long-term value with low maintenance and 50-year warranty.

> "We specified Britmet to deliver a long-term solution for a challenging roof. The team supported the specification process and tendering, resulting in competitive pricing. The system performed exceptionally well, and both the client and Kershaw Surveyors were impressed with the finished roof and its durability. We would be happy to recommend Britmet's products to others."
>
> **Mark Rendell, Head of Building Consultancy, Kershaw Surveyors**

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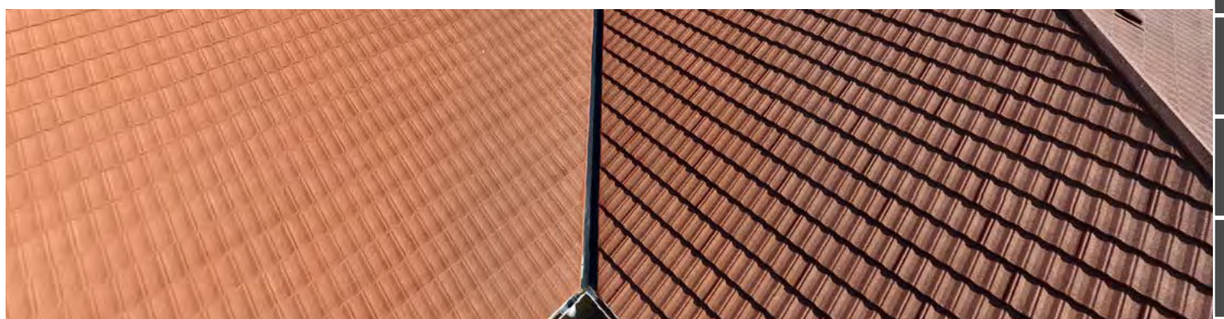
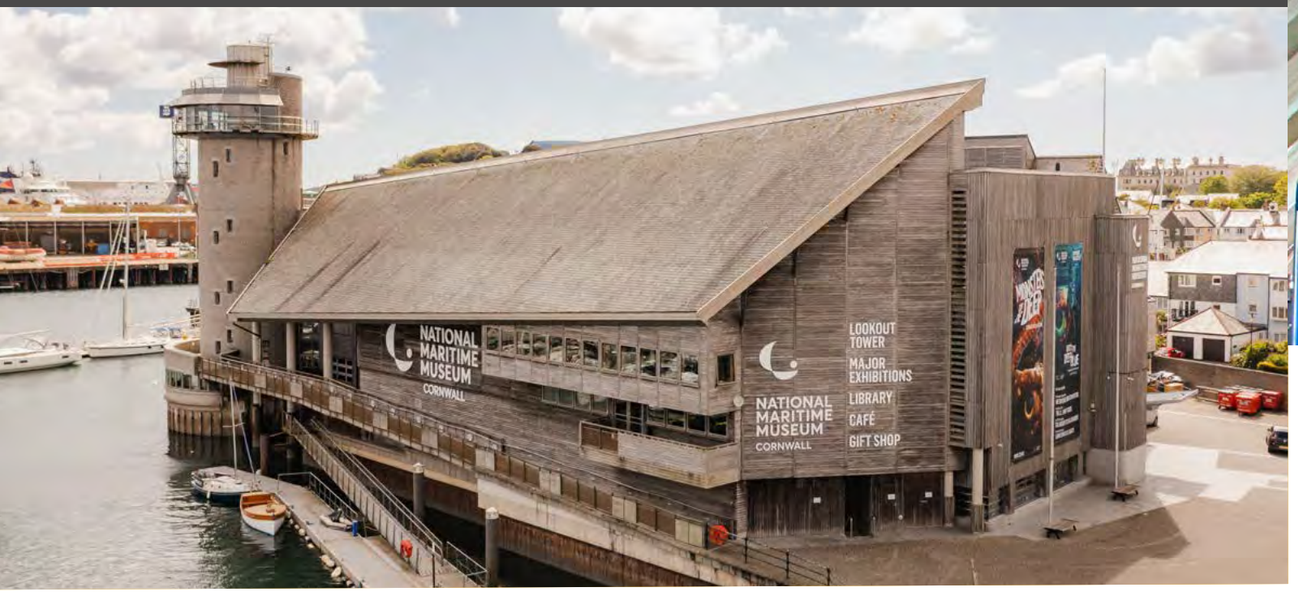
CHALLENGES	OUR SOLUTIONS
Susceptibility to Vandalism and Impact Damage	Britmet profiles offer exceptional impact resistance and anti-vandal protection, ideal for durable, high traffic public facilities.
High acoustic demands in sports and leisure spaces	Tactray 90 acoustic solutions reduce reverberation, improving sound clarity and comfort in functional spaces.
Moisture and corrosion in high-humidity areas	Britmet Tactray 90 systems perform reliably in humid pool environments, ensuring durable, long-term protection.
Often operate with restricted funding and limited ongoing maintenance.	Durable, corrosion-resistant roofing with 50 year product warranty, reducing lifecycle costs and maintenance needs.

Harrier Centre, Ultratile



COMMERCIAL & AGRICULTURAL



National Maritime Museum, Tactray 90

Commercial and agricultural buildings across the UK are facing increasing challenges with ageing and underperforming roofing systems. Issues such as water ingress, poor thermal efficiency, storm damage, corrosion, and condensation can lead to costly repairs, operational disruption, and reduced asset value. In commercial environments, failing roofs can impact tenants, insurance costs, and compliance with EPC and MEES regulations, while in agricultural settings harsh weather and corrosive conditions from livestock and fertilisers accelerate roof deterioration.

For both sectors, proactive roof management and modern lightweight roofing solutions are becoming essential. Upgrading to durable, energy-efficient systems helps reduce maintenance costs, improve insulation performance, and extend roof lifespan while supporting sustainability and compliance goals. Britmet lightweight roofing systems provide a practical, long-term solution for commercial and agricultural properties, combining strength, weather resistance, and low structural loading with a traditional aesthetic.

Car Showroom, Bristol, Tactray 90

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CHALLENGES	OUR SOLUTIONS
Aesthetic requirements for branded storefronts	Traditional tiled appearance that combines visual appeal with modern roofing performance.
Wide roof spans requiring additional structural support	Tactray 90 systems provide exceptional strength for large-span, open-frame buildings without excessive structural loading.
Demand for fast, cost-effective installation with minimal disruption	Robust, weather-resistant roofing systems engineered for long-term resilience in demanding environments.
Severe weather and storm damage exposure	Durable, corrosion-resistant roofing with up to 50 years product warranty, reducing lifecycle costs and maintenance needs.

Shropshire, Box XL Sheet & Spacer bar

SLATE 2000

The Britmet Slate 2000 is a lightweight roofing solution designed to authentically replicate the natural look of traditional slate, featuring a distinctive broken-bond finish for added realism and visual appeal.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

The use of Slate 2000 in the housing association project by Saltash Construction was a success. Its durability, weather resistance, and visual appeal added value, benefiting both the housing association and residents. This case study highlights the impact of quality materials and expert installation.

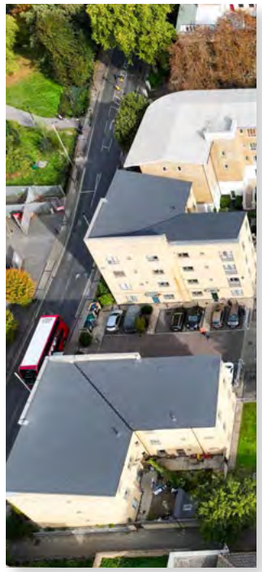
Product Used:
Slate 2000, Titanium Grey

Project Size:
290 sqm

Sector:
Housing Association

Main Contractor:
Saltash Construction

Project Value:
£25,000



Peckham Flats, Slate 2000

Project Details

This case study showcases the successful installation of Britmet's Slate 2000 by Saltash Construction for a housing association project. Covering 290 square metres, the project replaced a failing roof system with a durable, weather-resistant, and visually appealing lightweight solution.

Slate 2000 combines the classic look of natural slate with modern performance, offering long-term protection and low maintenance. Its broken-bond finish enhances the overall aesthetic while supporting the housing association's goal of improving living standards for residents through robust infrastructure upgrades.

Slate 2000 combines the classic look of natural slate with modern performance, offering long-term protection and low maintenance. Its broken-bond finish enhances the overall aesthetic while supporting the housing association's goal of improving living standards for residents through robust infrastructure upgrades.

Benefits and Challenges

Slate 2000's durable construction delivered long-lasting performance with minimal maintenance. Its Titanium Grey finish gave the housing association properties a sleek, modern look, enhancing the overall appearance for both residents and owners.

Built to withstand harsh weather-including heavy rain, strong winds, and extreme temperatures-Slate 2000 offered reliable, long-term protection. Its precision interlocking system required skilled installation and careful coordination across multiple properties within the project timeline.

Project Outcomes

The application of Slate 2000 transformed the housing association's roof, giving it a modern, attractive finish that revitalized the property's look. The lightweight, durable panels enhanced the roof's appearance while extending its lifespan and reducing maintenance costs.

This upgrade boosted the housing association's long-term value by providing superior durability and weather resistance. The improved performance and refreshed look contributed to greater resident satisfaction and confidence in the property's quality.

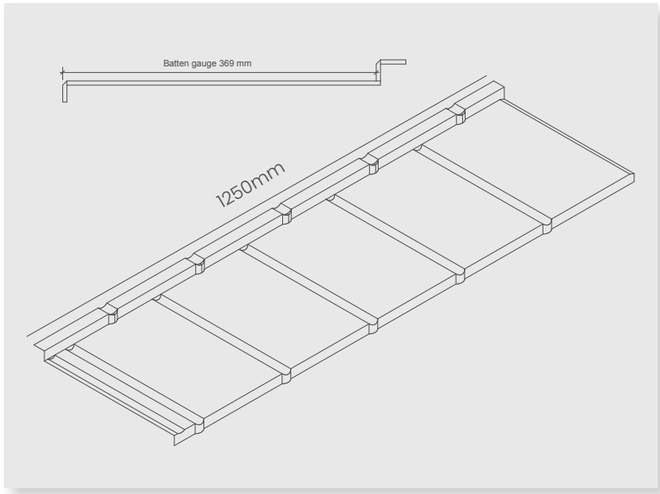
SPECIFICATION

Design

Slate 2000 is engineered for roof pitches ranging from 12° to 90°, offering versatility across a wide range of applications. Each Britmet Slate 2000 panel has a cover width of 1250mm, a batten gauge of 369mm and is crafted to replicate the look of natural slate. For optimal performance and appearance, the panels must be installed in a broken bond pattern, fixed from right to left.

Materials

Slate 2000 is manufactured and packaged at our factory in Tipton, England using premium-grade aluzinc steel, finished with a durable stone granule coating and topped with a clear acrylic overglaze for enhanced protection and long-lasting appearance.



Denham Lake, Slate 2000

Technical

- Minimum pitch: 12°
- Maximum pitch: 90°
- Overall width: 1310mm
- Cover width: 1250mm
- Batten gauge (0.45mm): 369mm
- Batten gauge (0.9mm): 367mm
- Roof cover per panel: 0.46m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED UKAS British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 02/3917

OVERVIEW

Britmet's Slate 2000 lightweight tile panel is expertly designed to replicate the authentic appearance of natural slate, featuring a broken-bond finish and offering installation times up to 50% faster than traditional slate tiles.

Available in five stunning colours, Slate 2000 is manufactured from premium-grade aluzinc steel, coated with a granulated finish and sealed with an acrylic glaze for added durability and aesthetic appeal. For projects requiring enhanced security or foot traffic resistance, it is offered in both 0.45mm and 0.9mm thicknesses—while weighing just 1/7th of traditional concrete tiles and suitable for roof pitches as low as 12 degrees.

This exceptional slate alternative combines striking visuals with outstanding performance and strength, making it an ideal choice for any lightweight roofing project. Slate 2000 has been trusted on major installations including the Alton Towers Stargazing Pods, BISF homes, hospitals, and more.

Compatible Flashings:


Angle Ridge


Barge/Verge


Left Hand Sidewall


Right Hand Sidewall


Tile Vent


Hip End Cap 90°


Hip End Cap 135°


Ridge End Cap


3-Way To Cap


5-Way Top Cap


Valley


Cover Flashing


Eave Felt Carrier


Eave Vent Strip


Ridge Vent Strip

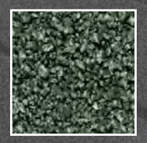
Colour Range:


Titanium Grey


Bramble Brown

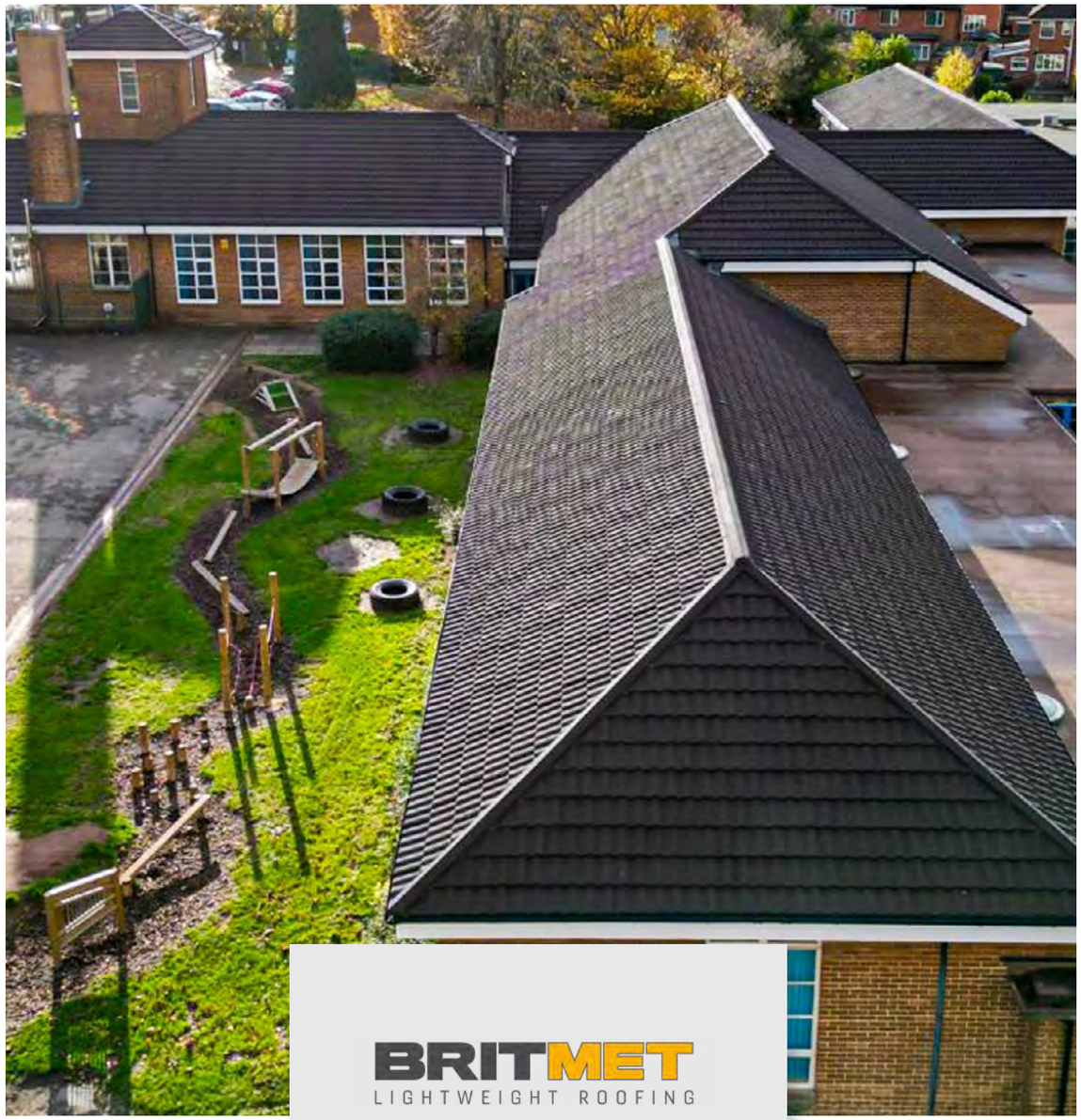

Rustic Brown


Rustic Terracotta


Tartan Green

VILLATILE

Britmet's lightweight Villatile is expertly crafted to replicate the classic profile of a traditional pantile double Roman concrete tile.



CASE STUDY

The installation of Britmet Villatile on Palmer Cross School proved highly successful. The existing school roofs were failing and were no longer meeting the school standards, making it unsafe for students and staff. Villatile provided a durable, weather-resistant solution while enhancing the building's appearance and energy efficiency.

Product Used:
Villatile and Tactray 90

Project Size:
1680 sqm

Sector:
Education

Main Contractor:
NRA Roofing

Palmer Cross School, Villatile

Project Details

Britmet was proud to support the roof refurbishment at Palmers Cross Primary School in Wolverhampton, where William Gough & Sons Ltd appointed NRA Roofing to deliver the full roofing package. The existing asbestos pantile roof installed on steel purlins required complete replacement across a 1,680 m² roof area.

Working closely with the contractor, Britmet helped design a built-up metal roofing system incorporating Britmet TacTray 90, 200 mm mineral wool insulation, double counter battens, breather membrane battens, and the Britmet lightweight Pantile 2000 system. The refurbishment also included the installation of new UPVC gutters and downpipes, all delivered within a tightly managed 9-week programme.

Benefits and Challenges

By working collaboratively with the contractor team, Britmet provided a lightweight, high-performance roofing solution that significantly improved the building's insulation, durability, and long-term maintenance requirements while replacing the hazardous asbestos roof. One of the key challenges of the project was delivering the works within a live school environment and within a restricted 9-week programme. Careful coordination between trades, phased working, and weekend operations ensured the installation could progress safely while minimising disruption to staff and pupils.

Project Outcomes

Through close collaboration between Britmet, NRA, William Gough & Sons Ltd, and the school, this £540,000 project was successfully delivered on programme using a carefully managed phased approach. Britmet's TacTray 90 and Pantile 2000 systems provided a durable, lightweight roofing solution that met all performance requirements while enabling efficient installation. The completed roof offers a safe, modern, and well-insulated system, ensuring long-term protection and enhanced performance for the school building.

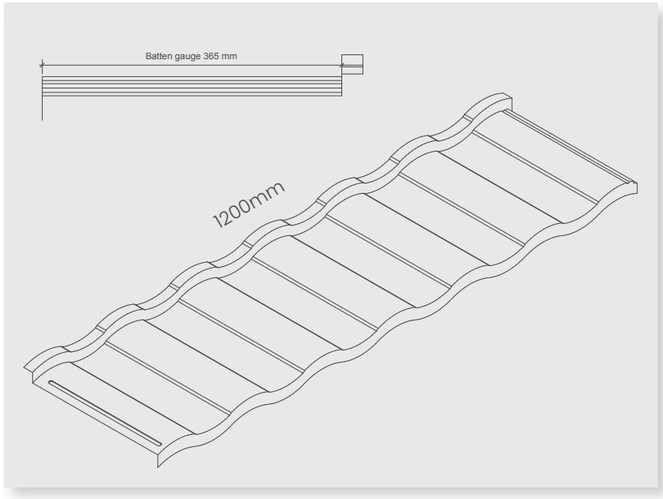
SPECIFICATION

Design

Villatile is suitable for roof pitches between 10° and 90°. The panels have a cover width of 1200mm and a batten gauge of 365mm. Each lightweight panel is designed to replicate the appearance of natural slate and must be installed in a broken bond pattern, working from right to left.

Materials

Villatile combines high-quality aluzinc steel with a textured stone granule surface and a protective clear acrylic overglaze, ensuring lasting durability and an attractive finish, and is proudly made, manufactured, and packaged at our factory in Tipton, England.



Technical

- Minimum pitch: 10°
- Maximum pitch: 90°
- Overall width: 1295mm
- Cover width: 1200mm
- Batten gauge (0.45mm): 365mm
- Batten gauge (0.9mm): 363mm
- Roof cover per panel: 0.44m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS MANAGEMENT SYSTEM
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 02/3917

OVERVIEW

Britmet's Villatile is a **lightweight, granulated metal roofing tile**, expertly engineered to replicate the timeless look of a traditional double Roman concrete tile.

Crafted from premium-grade aluzinc steel, Villatile offers outstanding weather resistance and long-lasting durability. Its exterior features a unique three-layer granule coating that not only enhances visual appeal but also delivers exceptional protection against the elements.

Available in five colours and two thickness options, 0.45mm as standard, and 0.9mm for applications requiring greater durability such as light foot traffic or vandal-prone areas, Villatile is as versatile as it is robust.

With only 2.2 tiles required per square metre, installation is significantly faster and more efficient. Suitable for roof pitches as low as 10°, Villatile is supported by a 50 year product warranty, providing confidence and peace of mind.

Compatible Flashings:


Angle Ridge


Barge/Verge


Eave Vent Strip


Barrel Ridge End Cap


Hip EndCap 90°


Hip End Cap 135°


Tile Vent


Left Hand Sidewall


Right Hand Sidewall


Barrel Ridge


5-Way Top Cap

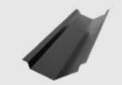

3-Way Top Cap


Ridge End Cap


1 Metre Membrane


Cover Flashing

Ridge Closer


Smooth Black Valley


Eave Felt Carrier

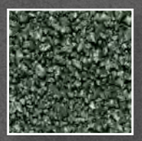
Colour Range:


Titanium Grey


Bramble Brown


Rustic Brown


Rustic Terracotta


Tartan Green

ULTRATILE

Ultratile is Britmet Lightweight Roofing's most popular profile for the leisure sector, including park homes, stables, chalets & camping pods.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

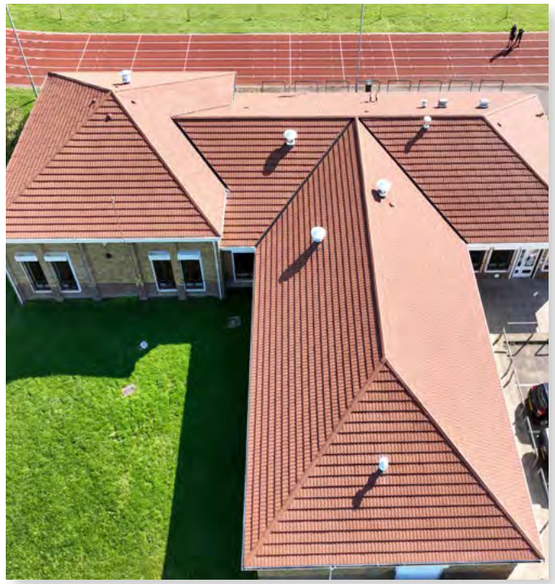
The Harrier Centre roof was replaced after the existing system reached the end of its service life. The project involved removing the old roof and installing a new one to improve the building's protection and ensure long-term reliability.

Product Used:
Ultratile

Project Size:
920 sqm

Sector:
Community Building

Main Contractor:
Heartfelt Roofing Ltd



Harrier Centre, Ultratile

Project Details

The Harrier Centre project was completed in 2009 after the existing roof reached the end of its service life and required a full replacement. The project involved removing the old roofing system and installing a new Ultratile roof covering to improve durability and long-term performance.

The replacement roof utilised 0.9mm Ultratile panels, chosen for their strength and lightweight design. Based on the installation specification, 2.18 panels are required per square metre of coverage, resulting in a total roof area of approximately 920 square metres for the Harrier Centre.

Benefits and Challenges

Ultratile panels provided a lightweight, durable roofing solution that improved installation efficiency and reduced structural load compared with traditional materials. The 0.9mm panels offered strong weather resistance and allowed quicker installation across the large roof area.

A key challenge was removing the existing roof before installing the new system, which required careful coordination to keep the building protected and ensure the structure was properly prepared.

Project Outcomes

The completed installation provided the Harrier Centre with a modern, durable roofing system designed for long-term performance. Covering approximately 920 m², the Ultratile roof replacement improved the building's weather protection and structural reliability.

The 0.9mm Ultratile panels delivered a strong, lightweight finish, resulting in a renewed roof capable of protecting the building for many years with minimal maintenance.

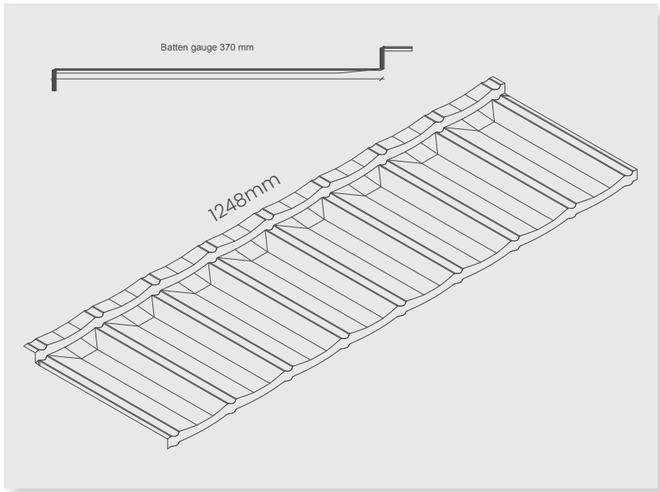
SPECIFICATION

Design

Ultratile is engineered for roof pitches ranging from 10° to 90°, offering versatility across a wide variety of structures. Each panel has a cover width of 1248mm and a batten gauge of 370mm and is specifically designed to replicate the appearance of traditional roof tiles. For optimal performance and aesthetics, Ultratile must be installed in a broken bond pattern, fixed from right to left.

Materials

Ultratile is manufactured at our factory in Tipton, England from premium-grade aluzinc steel, finished with a durable stone granule coating and protected by a clear acrylic overglaze for enhanced resilience and long-lasting performance.



Harrier Centre, Ultratile

Technical

- Minimum pitch: 10°
- Maximum pitch: 90°
- Overall width: 1308mm
- Cover width: 1248mm
- Batten gauge (0.45mm): 370mm
- Batten gauge (0.9mm): 368mm
- Roof cover per panel: 0.46m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 02/3917

OVERVIEW

Ultratile is Britmet Lightweight Roofing's most popular profile, specifically designed for the Leisure Home sector, including park homes, stables, chalets, camping pods, and glamping pods. With its traditional British aesthetic and availability in five attractive colours, Ultratile complements a wide range of building styles.

Manufactured from premium grade aluzinc steel, Ultratile comes in two thickness options: 0.45mm standard and 0.9mm anti-vandal for enhanced durability. Each tile covers the equivalent area of eight traditional tiles, requiring only 2.18 tiles per square metre. Suitable for roof pitches as low as 10°, Ultratile significantly speeds up installation, reducing both labour time and associated costs.

Britmet's Ultratile system stands out as a superior roofing choice thanks to its lightweight, fully dry-fix design. It is completely maintenance-free and supported by a comprehensive range of accessories, making it a reliable and efficient solution for virtually any installation requirement.

Compatible Flashings:


Angle Ridge


Barge/Verge


Left Hand Sidewall


Right Hand Sidewall


Tile Vent


Hip End Cap 90°


Hip End Cap 135°


Ridge End Cap


3-Way Top Cap


5-Way Top Cap


Valley


Cover Flashing


Eave Felt Carrier


Eave Vent Strip


Ridge Vent Strip

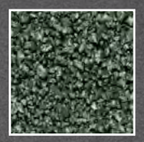
Colour Range:


Titanium Grey


Bramble Brown


Rustic Brown


Rustic Terracotta


Tartan Green

LITESLATE

Britmet Liteslate is a lightweight, durable roofing system designed to replicate the look of traditional natural slate. Made from recycled polymers it offers long-lasting performance with minimal maintenance. Ideal for both renovation and new build projects, Liteslate combines classic aesthetics with modern efficiency.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

The integration of the Britmet Britframe System and Liteslate resolved key roofing issues, improving water runoff, durability, and appearance, while extending the roof's lifespan to over 60 years. This case study underscores the value of reliable, innovative roofing solutions.

Product Used:
BritFrame and Liteslate

Project Size:
1200 sqm

Sector:
Residential

Main Contractor:
ART Contracts Ltd

Arber-Adda, Llangollen, Liteslate

Project Details

This project showcases the successful renovation of a residential flat roof near Llangollen, carried out by ART Contracts Ltd using Britmet's Britframe Structural Conversion System and Liteslate composite slate tile.

The roof had suffered from over 20 years of ponding and water ingress, leading to repeated repairs. Britframe provided an effective flat-to-pitch conversion, improving drainage, thermal performance, and aesthetics. Liteslate was chosen for its lightweight design, durability, and natural slate appearance, ideal for the property's location within a UNESCO World Heritage Site.

This case study highlights how Britmet's innovative systems delivered a low-maintenance, long-term solution to common flat roof issues.

Benefits and Challenges

The Britframe System converted the flat roof into a pitched structure, improving water runoff and preventing ponding and water ingress-reducing the need for frequent maintenance. Paired with Britmet's Liteslate, a lightweight and durable synthetic slate, the system offered strong weather resistance, easy installation, and a natural slate appearance.

A structural assessment confirmed compatibility with Britframe. Integrating the new roof with existing features like skylights and vents required careful planning to ensure a seamless, weatherproof finish.

Project Outcomes

The implementation of Britframe effectively resolved ponding issues by enabling efficient water runoff and preventing water ingress. Paired with Liteslate, the system delivered outstanding durability, weather resistance, and long-term performance-minimising the need for future repairs and offering significant cost savings.

In addition to its practical benefits, Liteslate enhanced the property's aesthetic appeal by replicating the look of natural slate while providing the advantages of a lightweight, easy-to-install material.

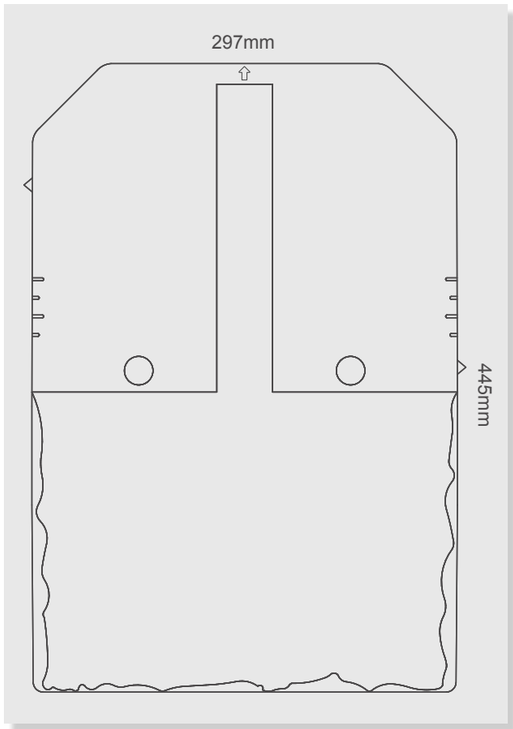
SPECIFICATION

Design

Each tile measures 297mm in width with a batten gauge of 152–190mm. Manufactured from polymer materials containing over 93% recycled content, they provide a lightweight, sustainable alternative to traditional slate roofing.

Materials

Liteslate is made from recycled polymers and moulded to replicate natural slate for a high-quality finish. Designed using real Welsh slate as a reference, it delivers the same look without cracking, chipping, breaking or delaminating.



Arber-Adda, Llangollen, Liteslate

Technical

- Minimum pitch: 12°
- Maximum pitch: 70°
- Overall width: 297mm
- Overall Height: 445mm
- Batten gauge: 152mm-190mm
- Roof cover per slate: 0.06m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS MANAGEMENT SYSTEMS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 23/6869

OVERVIEW

Launched in May 2019, Liteslate is Britmet's innovative synthetic slate tile, made from recycled polymers. Modelled on real Welsh slate, it offers an authentic look with varied riven edge detail, classic colours, and exceptional durability.

Engineered to outperform natural slate, Liteslate won't crack, chip, or delaminate, delivering long-term reliability with minimal maintenance. Its lightweight design makes transport, handling, and installation easy for contractors and capable DIYers alike. Each tile also includes moulded fixing guides to ensure accurate positioning and faster installation on site.

Sustainability and safety are central to the Liteslate tile. Liteslate achieves a BROOF(t4) fire rating, ensuring high levels of fire performance for roofing applications. Britmet also recycles a significant amount of polypropylene during the Liteslate manufacturing process, reflecting the company's commitment to reducing environmental impact.

To support growing demand, Britmet's seven extrusion lines can produce 14 slates every 45 seconds, ensuring consistent supply without compromising quality. Combining the character of natural slate with modern innovation, Liteslate delivers a durable, low-maintenance, and sustainable roofing solution for any project.

Compatible Flashings:

Colour Range:

PROFILE 49

Profile 49 is a lightweight metal roof tile designed to replicate traditional British concrete tiles. Manufactured from high-quality aluzinc steel with a granule coating, it delivers excellent durability and weather resistance. Ideal for a range of roof pitches, it combines classic style with long-lasting performance.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

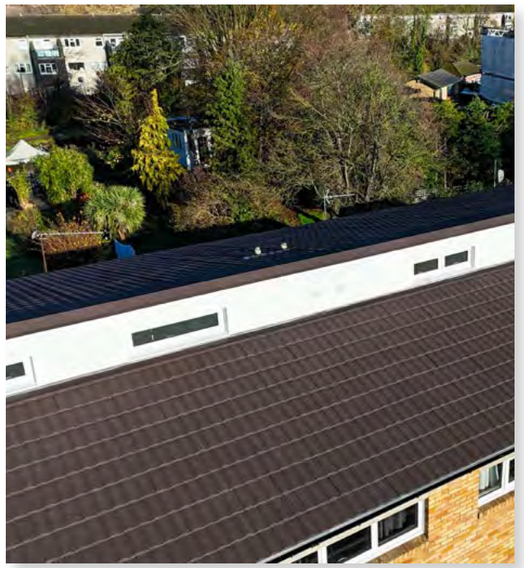
This project involved the refurbishment of an existing roof to address long-term performance issues and improve the building's overall energy efficiency. Covering an area of 340 sqm, the work done was part of a wider upgrade programme aimed at improving the building's EPC rating. Prior to the project, the roof was underperforming due to its age and prolonged exposure to weather, contributing to heat loss and poor thermal efficiency.

Product Used:
Profile 49

Project Size:
340 sqm

Sector:
Residential

Main Contractor:
Equans



Southall Residential, Profile 49

Project Details

The roof was upgraded to improve energy efficiency. A new insulated and retiled solution was required to address a low EPC rating and achieve a U-value of 0.3W/m²K, alongside wider upgrades including wall insulation, new windows and ventilation.

To meet performance targets, Flexi Rockwool insulation was installed between the rafters with 85mm Hardrock Multirock above. As this increased roof weight and height, Britmet Profile 49 was chosen as a lightweight solution to minimise structural load, achieving the required performance without overloading the existing rafters.

Benefits and Challenges

A key challenge was managing the added weight and increased roof height caused by the high-density Hardrock insulation, which the existing rafters could not support alongside clay tiles. This was overcome by using Britmet Profile 49, reducing structural load and avoiding an additional 20mm increase in roof height.

The solution achieved a U-value of 0.3W/m²K, improved the building's EPC rating and delivered a lightweight, durable roof with long-term weather resistance.

Project Outcomes

The completed project delivered a compliant, energy-efficient roofing solution that met both thermal and structural requirements. The upgraded roof contributed significantly to improved building performance and energy efficiency. Having previously worked with Britmet on the Lambeth project with Equans, the project team was confident in the choice of Profile 49 and was satisfied with the high level of service and responsiveness provided by Britmet throughout the project, supporting a smooth and successful delivery.

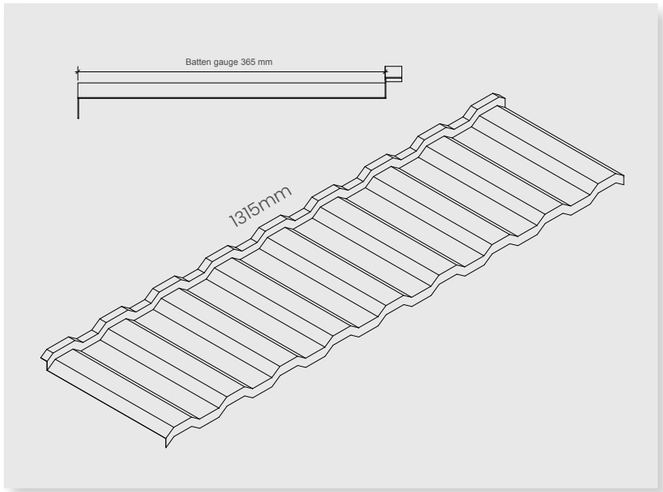
SPECIFICATION

Design

Profile 49 is suitable for roof pitches ranging from 10° to 90°. Each lightweight panel has acover width of 1315mm and a batten gauge of 365mm and is designed to replicate the appearance of natural slate. For optimal results, tiles should be installed in a broken bond pattern, fixed from right to left.

Materials

Proudly manufactured and packaged at our factory in Tipton, England, using premium-grade aluzinc steel. Each tile is finished with a high-quality stone granule coating and sealed with a clear acrylic overglaze for added durability and long-lasting performance.



Technical

- Minimum pitch: 10°
- Maximum pitch: 90°
- Overall width: 1420mm
- Cover width: 1315mm
- Batten gauge (0.45mm): 365mm
- Batten gauge (0.9mm): 363mm
- Roof cover per panel: 0.48m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 02/3917

OVERVIEW

Britmet's Profile 49 is a timeless British tile profile that combines traditional aesthetics with the unmatched benefits of our lightweight roofing systems. Designed as a stylish **alternative to concrete tiles**, it features a beautifully contoured finish with the **strength and efficiency of modern materials.**

Pressed from high-quality aluzinc steel, Profile 49 is available in both 0.45mm and 0.9mm thicknesses-ideal for standard applications or enhanced security in anti-vandal environments. The tile comes in a choice of five striking colours, offering excellent weather resistance and lasting visual appeal.

With outstanding durability, fast and easy installation, and a full range of compatible accessories, Profile 49 is one of Britmet's most efficient roofing solutions. Backed by a 50 year product warranty, it delivers long-term performance and peace of mind.

Compatible Flashings:


Angle Ridge


Barge/Verge


Left Hand Sidewall


Right Hand Sidewall


Tile Vent


Hip End Cap 90°


Hip End Cap 135°


Ridge End Cap


3-Way Top Cap


5-Way Top Cap


Valley


Cover Flashing

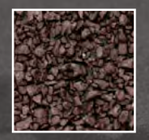

Eave Felt Carrier


Eave Vent Strip


Ridge Vent Strip

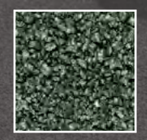
Colour Range:


Titanium Grey


Bramble Brown


Rustic Brown


Rustic Terracotta


Tartan Green

PLAINTILE

Britmet Plaintile is a lightweight metal roofing system designed to replicate traditional plain tiles while being quicker and easier to install. Manufactured from high-grade aluzinc steel with a durable granule coating, it provides long-lasting performance with classic aesthetics.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

Wellington School chose Britmet's Plaintile to tackle ongoing roof damage from vandalism and ball games. The durable, low-maintenance solution enhanced building protection, reduced upkeep costs, and improved the school's appearance, allowing the school to focus on delivering quality education with the confidence of a long-lasting roofing system.

Product Used:
Plaintile, Bramble Brown

Project Size:
1200 sqm

Sector:
Education

Main Contractor:
Everlast Group

Wellington School, Plaintile

Project Details

Wellington School in Greater Manchester faced persistent roofing issues due to vandalism and damage from ball games, resulting in frequent repairs, leaks, and rising maintenance costs. To address this, the school partnered with Everlast Group to upgrade 1,200 sqm of roofing using Britmet's Plaintile a robust, lightweight tile offering long-term durability, and weather resistance.

The project aimed to reduce ongoing repair costs while improving the roof's appearance and structural integrity. With its vandal-resistant properties and classic design, Plaintile proved the ideal solution- delivering lasting protection and helping redirect maintenance budgets back to education.

Benefits and Challenges

Choosing Plaintile provided Wellington School with multiple benefits. Made from high-quality, impact-resistant materials, it's ideal for areas exposed to vandalism and ball games. Its lightweight design reduces structural load, supporting long-term roof stability and ease of future maintenance.

Available in a wide range of colours and finishes, Plaintile allowed the school to enhance its architectural appearance. Its advanced material composition ensures durability, weather resistance, and a long lifespan-minimising repair needs and lowering maintenance costs over time.

Project Outcomes

The installation of Britmet Lightweight Roofing's Plaintile at Wellington School brought several key benefits. Its durability and impact resistance significantly reduced damage from vandalism and ball games.

Beyond performance, Plaintile's range of colours and finishes enhanced the school's appearance and community presence. With its long lifespan and minimal upkeep, it offers a dependable, long-term roofing solution that reduces the need for future renovations.

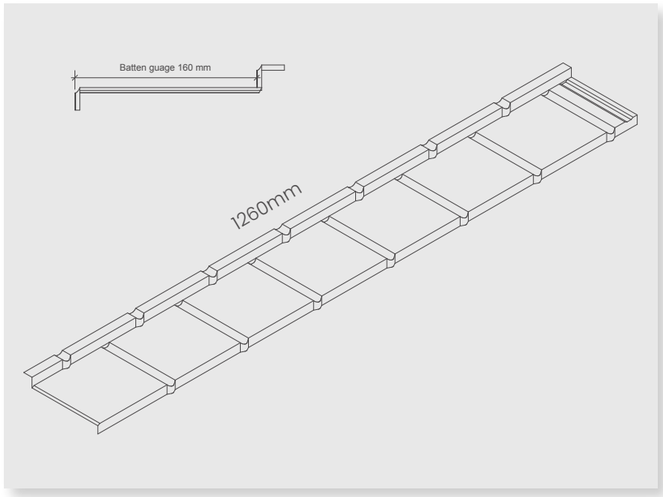
SPECIFICATION

Design

Plaintile is suitable for roof pitches from 15° to 90° and has a cover width of 1260mm and a batten gauge of 160mm. Designed to replicate the look of traditional concrete plaintile, this lightweight panel is installed in a broken bond pattern, fixed from right to left for optimal performance.

Materials

Plaintile is manufactured at our factory in Tipton, England using premium-grade aluzinc steel, and is finished with a stone granule coating sealed with a clear acrylic overglaze for enhanced durability and long-lasting protection.



Wellington School, Plaintile

Technical

- Minimum pitch: 15°
- Maximum pitch: 90°
- Overall width: 1320mm
- Cover width: 1260mm
- Batten gauge (0.45mm): 160mm
- Roof cover per panel: 0.2m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 02/3917

OVERVIEW

Britmet Lightweight Roofing's Plaintile system is the **world's only true broken bond Plaintile lightweight roofing system**. The only tile to give a true characteristic of a traditional Plaintile, providing an attractive and economic finish for all roof styles, even for vertical cladding.

Britmet's Plaintile system can be fixed down to a 15° roof pitch and is highly effective at reducing installation time as it's 7 traditional tiles wide and one tile high. This means that only 5 Plaintile panels are required per sqm. This is a huge difference in comparison to traditional plain tiles which required 60 tiles per sqm.

Available in five colours and weighing just one-seventh of traditional tiles, the Britmet Plaintile is manufactured in Britain from high-grade Aluzinc steel. It is finished with a premium external coating to provide reliable, long-lasting weather protection, and is backed by a 50-year product warranty.

Compatible Flashings:


Angle Ridge


Barge/Verge


Eave Vent Strip


Hip End Cap 90°


5-Way Top Cap


Tile Vent


Sidewall


Eave Felt Carrier


Barrel Ridge


3-Way Top Cap


Ridge End Cap


Valley


Cover Flashing


Hip End Cap 135°

Colour Range:


Titanium Grey


Bramble Brown


Rustic Brown


Rustic Terracotta


Tartan Green

PANTILE 2000

Britmet Lightweight Roofing pantile 2000 system is the only eave to ridge, granulated tile sheet on the market. Available from 1.53m to 6m in length and is manufactured to suit your rafter lengths, so no wastage, cutting or head lapping necessary.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

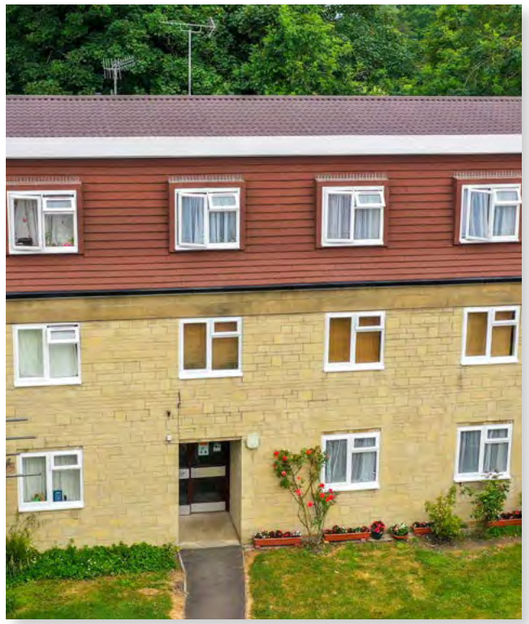
Pantile 2000 was the system of choice for a comprehensive roof and mansard refurbishment project at The Waterloo in Cirencester, commissioned by Bromford Housing Association. The project involved the upgrade of existing roof and mansard areas across eight blocks of flats, addressing long-term performance challenges while significantly enhancing overall thermal efficiency.

Product Used:
Pantile 2000 and Plaintile

Project Size:
1800 sqm

Sector:
Housing Association

Main Contractor:
Novus



The Waterloo, Cirencester Pantile 2000

Project Details

The project followed the failure of the original flat roof and its over-sheeted standing seam system. Bromford Housing Association required a durable, long-term solution. Britmet's Project Assist service managed all design stages, from planning and surveys to fully detailed designs for each block.

The existing mansard, clad in uninsulated concrete tiles with problematic box gutters, was subtly redesigned to improve performance. New insulation and Britmet's Plaintile system were installed, chosen for its attractive finish, cost efficiency, and rapid installation using just five tiles per square metre compared to around 60 for traditional tiles.

Benefits and Challenges

One of the key challenges at The Waterloo flats was the presence of asbestos throughout the original roof structure. To avoid disturbing the existing roof, Britmet supplied a spanning base beam flat-to-pitch system, allowing the new roof to be installed without removal of the asbestos-containing materials. Pantile 2000 eave-to-ridge sheets were selected as the primary roof covering, as their appearance closely matches the surrounding buildings in Cirencester.

Project Outcomes

Britmet's soffits, fascias and rainwater goods were also installed, significantly enhancing the thermal performance of the properties. Insulation to the roof and mansard areas was upgraded, and the client now benefits from a comprehensive 50-year weather penetration warranty across the entire system. These improvements will lead to reduced heat loss and lower heating costs for residents.

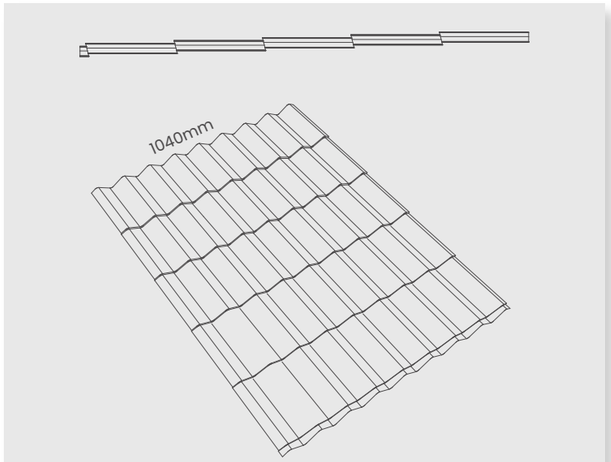
SPECIFICATION

Design

Pantile 2000 is suitable for roof pitches from 5° to 70° and has a cover width of 1040mm with a batten gauge of 300mm. Made to measure for each project, this tailored approach can reduce installation time by up to 50%.

Materials

Pantile 2000 is crafted from premium-grade aluzinc steel and finished with a durable, pigmented mineral-filled acrylic coating for enhanced weather resistance and long-lasting performance.



Technical

- Minimum pitch: 5°
- Maximum pitch: 70°
- Overall width: 1080mm
- Cover width: 1040mm
- Weight as laid per m^2: 11kg
- Maximum sheet length: 6000mm

Please note for pitches 5° to 7° a head lap is required

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 89/2272

OVERVIEW

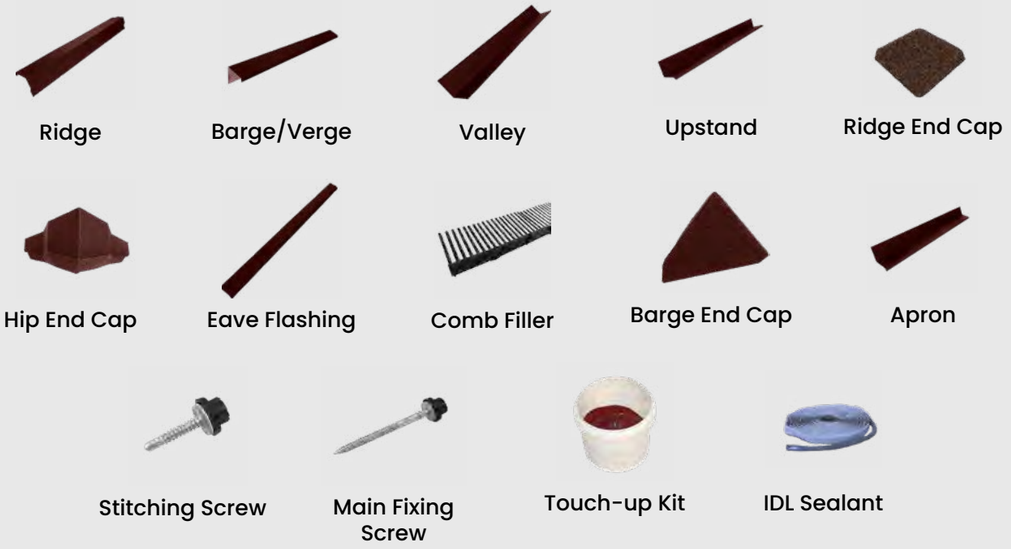
Britmet's Pantile 2000 is one of the most advanced lightweight tile-effect sheets available. As **the world's lowest BBA-approved tile-effect sheet**, it can be installed on **pitches as low as 5°**, with a certified weather penetration warranty.

Measuring 1080mm wide and available in custom lengths up to 6 metres, it's manufactured to your exact rafter length-reducing installation time by up to 50%. Suitable for pitches from 5° to 70°, it offers excellent versatility.

Made from high-grade Aluzinc steel with a pigmented, mineral-filled acrylic coating, the 0.9mm gauge sheet is both attractive and highly durable, making it ideal for anti-vandal applications.

Originally developed as an asbestos roof replacement, Pantile 2000 is now widely specified for garages, schools, hospitals and more, backed by a 50 year product warranty.

Compatible Flashings:



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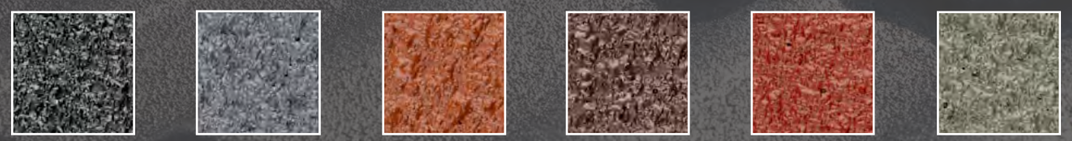


SHINGLE

Shingle is ideal for: Schools, commercial properties, roof conversions (flat to pitched), community centres, and a wide range of other building types and projects.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

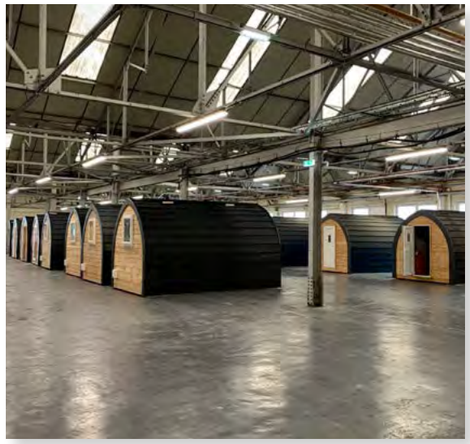
During the Covid-19 outbreak, Britmet had the opportunity to support the Macari Foundation, founded by former footballer Lou Macari in Stoke-on-Trent, on a vital project helping people experiencing homelessness. Lou Macari contacted Arch Leisure / LittleHolme Ltd with his vision of transforming an unused 22,500 sq ft warehouse on Regent Road into a safe, indoor “pod village” for rough sleepers.

Product Used:
Shingle

Project Size:
800 sqm

Sector:
Charity

Main Contractor:
Lou Macari



Stoke-on-Trent, LittleHolme LTD, Shingle

Project Details

The project involved the construction of individual living pods, each providing approximately 10 sqm of personal space and fitted with LED lighting, heating, Kitchen and bathroom. Each pod also had a television, which was a donation from the League Managers Association. The pods were designed to offer dignity, privacy and protection during a time of great need, the pods created a safe environment that helped reduce the risk of Covid-19 transmission.

The pod accommodation scheme has been welcoming guests since the final week of May 2020. Arch Leisure approached Britmet during the national lockdown while urgently searching for a dependable supplier of durable, fire-resistant, and sustainable roofing materials. In support of this remarkable project, we reopened our offices specifically to assist in making it happen.

Benefits and Challenges

As the pods were installed within an enclosed warehouse, fire resistance was a critical factor in the selection of materials. Britmet was proud to assist in delivering a solution that met these safety requirements while supporting the Macari Foundation’s mission to provide secure, practical accommodation for vulnerable individuals during the pandemic.

Project Outcomes

The project was a major success in Stoke-on-Trent, providing safe, secure accommodation for 40 people experiencing homelessness. In addition to housing, the scheme enabled residents to access employment and essential services through a registered address. Individually numbered pods fostered a sense of identity, stability and independence, supporting residents as they rebuilt their lives.

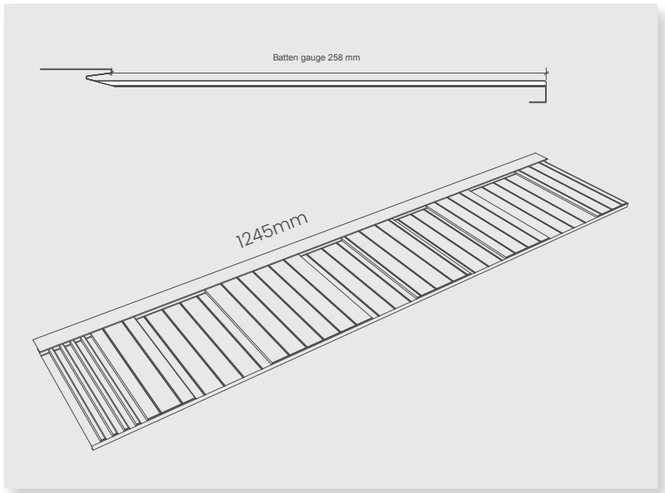
SPECIFICATION

Design

Britmet Shingle is suitable for roof pitches ranging from 15° to 90°. Each lightweight panel has a cover width of 1245mm and a batten gauge of 258mm and is specifically designed to replicate the appearance of natural slate. For optimal results, the tiles must be installed in a broken bond pattern, progressing from right to left.

Materials

Shingle is manufactured from premium-grade aluzinc steel and produced, finished, and packaged at our factory in Tipton, England. It features a high-quality stone granule coating, sealed with a clear acrylic overglaze for enhanced durability and long-lasting performance.



Farlington Playing Field Pavilion, Shingle

Technical

- Minimum pitch: 15°
- Maximum pitch: 90°
- Overall width: 1340mm
- Cover width: 1245mm
- Batten gauge: 258mm
- Roof cover per panel: 0.32m²

Approvals

- Manufactured in an ISO 14001-certified facility
- Fire resistance: Classified BROOF(t4) for external fire performance in accordance with BS EN 13501-5

ISO 14001 CERTIFIED
UKAS MANAGEMENT SYSTEMS
British Assessment Bureau

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 02/3917

OVERVIEW

The Britmet Shingle tile delivers an authentic shingle appearance and is available in the **UK's widest standard colour range.** Suitable for roof pitches from **15° to 90°**, each panel measures 1245mm x 258mm and is **installed right to left in a broken bond pattern.**

Manufactured from high-grade aluzinc steel with a stone granule finish and clear acrylic overglaze, it replicates the look of natural slate. Its fully dry-fix, interlocking hidden-fix design keeps roofs free from visible fixings, while weighing just under 7kg per m².

Britmet Shingle has a BROOF(t4) fire certification, equivalent to traditional tiles and slates, and comes with a 50-year product warranty against weather penetration.

Compatible Flashings:

Colour Range:

BOX XP SHEET

Delivers superior load-bearing strength and enhanced spanning capabilities for demanding applications. Available in a wide range of colours and finishes, it can also be cut to your required length for a precise fit.

For greater design flexibility, the Box XP Sheet is also available with concave or convex crimp curves, along with a full range of compatible flashings for the perfect finishing touch.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

Jaques Int Ltd delivered a modern multi-million-pound headquarters in Shropshire, featuring advanced steel cladding, structural steelwork, and specialist glazing. The vision was to create a centre of excellence utilising the latest steel panel and section technology to be one of the biggest one stop shops in the UK.

Product Used:
32/1000 roof profile

Project Size:
2267 sqm

Sector:
Office & Industrial Building

Main Contractor:
Jaques

Shropshire, Box XP Sheet & Spacer bar

Project Details

Jaques Int Ltd delivered a purpose-built headquarters in Bucknell, Shropshire, designed as a modern centre of excellence for steel panel and section technology. The multi-million-pound development created one of the UK's largest one-stop facilities for steel roofing and cladding solutions.

Jaques Int Ltd installed built-up wall and roof cladding systems, Kingspan QuadCore composite panels, and structural steelwork fabricated to BS EN 1090-2 standards, including crane beams to support two 10-tonne gantry cranes. The project also included extensive glazing, switchable smart glass, insulated roller shutter doors, smoke vents, office floor construction, stair installations, and a complete trimline gutter and flashing system.

Benefits and Challenges

The development created a modern manufacturing and office facility to support growth within the steel roofing and cladding industry. Features including smart glass, curtain wall glazing, and insulated cladding improved efficiency and functionality throughout the building.

The project also faced challenges due to its location beside a live railway line, requiring a BAPA agreement with Network Rail, £50 million Public Liability insurance, and supervised crane operations to maintain safety and compliance.

Project Outcomes

The completed headquarters successfully delivered a contemporary manufacturing and office environment, combining industrial capability with high-quality workspace design. The project was praised for its quality, efficiency, and collaborative approach, contributing to the successful delivery of a flagship facility for the client.

SPECIFICATION

Design

The 32/1000 box profile combines a sleek trapezoidal design with exceptional strength and durability. Featuring six evenly spaced corrugations, a 32mm profile height, and a 1000mm cover width, it delivers reliable water drainage and long-lasting performance for roofing and cladding applications.

Materials

Manufactured from high-quality galvanised steel, providing excellent strength, durability, and resistance to corrosion. It is finished with a polyester paint coating, which adds an extra layer of protection against weathering while giving the sheet a smooth, attractive finish suitable for long-term external use.

Shropshire, Box XP Sheet & Spacer bar

Box XP Sheet, Goosewing Grey

Technical

- Cover width: 1000mm
- Profile height: 32mm
- Profile pitch: 200mm
- Corrugations: 5 Crowns (when fitted)
- Sheet thickness: 0.4mm, 0.5mm 0.7mm
- Custom length: 500mm to 1500mm
- Curving options: Crimp curving

PROFILES

Corrugated Profile

A classic and versatile roofing and cladding solution, the corrugated profile metal sheet features a traditional sinusoidal design with excellent strength and stability. Available in a range of colours, finishes, and cut-to-length options, it offers a 990mm cover width and thicknesses of 0.4mm, 0.5mm, 0.7mm, and 0.8mm in Corten steel.

Ecopan

Ecopan combines the classic appearance of traditional roof tiles with the strength and practicality of metal roofing. Available in a range of colours and finishes, each sheet is cut to your required length for a tailored fit. Featuring a 1000mm cover width, available in 0.5mm and 0.7mm thicknesses, and supported by a full range of matching accessories.

Box Tile Sheet

Box Tile Sheet offers the attractive appearance of traditional roof tiles while delivering the durability and low maintenance of metal roofing. Available in a range of colours and finishes, each sheet is manufactured to your required length. Featuring a 1000mm cover width, 0.5mm thickness, and a full range of matching accessories.

Box Sheet

Our 34/1000 box profile metal sheet combines a modern, attractive appearance with durability and versatility. Available in a wide range of colours and finishes, each sheet is cut to your required length. Featuring a 1000mm cover width, it is offered in 0.4mm, 0.5mm and 0.7mm thicknesses, plus 0.8mm Corten steel, with a full range of matching accessories.

COLOUR RANGE


Galvanised


Corten

Bright White

Pure White


Silver


Goosewing Grey


Mushroom


Navy Blue


Slate Blue

Ivory


Anthracite Grey


Cornflower Blue


Wedgewood Blue


Poppy Red


Jet black


Merlin Grey


Pigeon Grey


Ocean Blue


Terracotta Red


Juniper Green


Olive Green


Moorland Green


Forest Green


Vandyke Brown

FINISHES

20/5µm Commercial Liner

Available for Box XP Sheet (0.4mm & 0.7mm), Box Sheet (0.4mm & 0.7mm) and Corrugated Sheet (0.4mm & 0.7mm)

Poultry Liner

Available for Box XP Sheet (0.4mm) and Box Sheet (0.4mm)

25/10µm Polyester

Available for Box XP Sheet (0.5mm & 0.7mm), Box Tile Sheet (0.5mm), Ecopan (0.5mm & 0.7mm), Box Sheet (0.5mm & 0.7mm) and Corrugated Sheet (0.5mm & 0.7mm)

35/10µm Wrinkle Polyester

Available Box XP Sheet (0.5mm & 0.7mm), Box Tile Sheet (0.5mm), Ecopan (0.5mm & 0.7mm), Box Sheet (0.5mm & 0.7mm) and Corrugated Sheet (0.5mm & 0.7mm)

LG200µm Standard Plastisol

Available Box XP Sheet (0.5mm & 0.7mm), Box Tile Sheet (0.5mm), Ecopan (0.5mm & 0.7mm), Box Sheet (0.5mm & 0.7mm) and Corrugated Sheet (0.5mm & 0.7mm)

LG200µm Accent Plastisol

Available Box XP Sheet (0.7mm), Ecopan (0.7mm), Box Sheet (0.7mm) and Corrugated Sheet (0.5mm & 0.7mm)

PP40y 200µm Goosewing Grey

Available for Box XP Sheet (0.7mm), Box Sheet (0.7mm), Ecopan (0.7mm) and Corrugated Sheet (0.7mm)

Premium PU40 Metallic Silver

Available for Box XP Sheet (0.7mm), Ecopan (0.7mm), Box Sheet (0.7mm), Corrugated Sheet (0.7mm)

Galvanised - Mill Finish

Available for all profiles in 0.5mm & 0.7mm

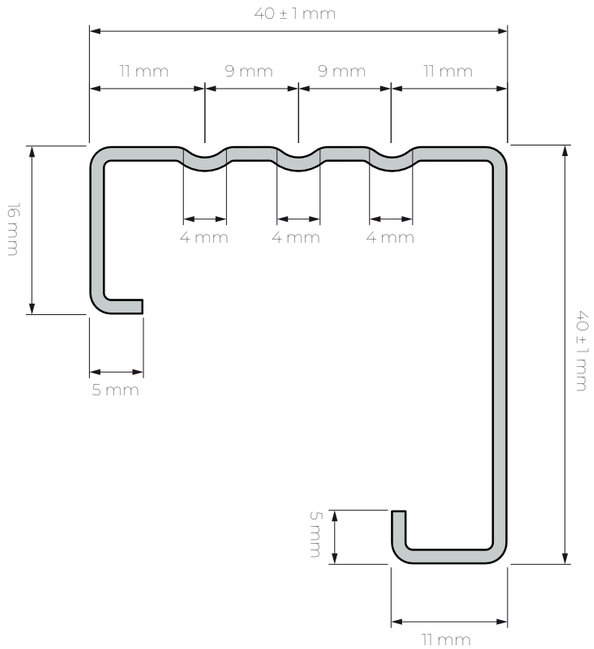
Corten - Mill Finish

Available for Box XP Sheet (0.8mm) and Corrugated Sheet (0.8mm)

SPACER BAR

Specifically designed for rapid installation using a simple and secure twist-and-lock method, the Spacer Bar Roof & Wall Spacer System helps save both time and money. Whether you're creating a built-up roof, a twin-skin system, or undertaking an over-roof refurbishment, your building envelope is only as strong as the components that hold it together. Delivering strength, stability, and long-term reliability, Spacer Bar provides a dependable solution that helps ensure the performance and integrity of your building envelope for years to come.

BRITMET
LIGHTWEIGHT ROOFING



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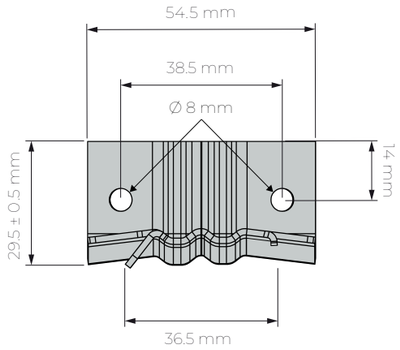
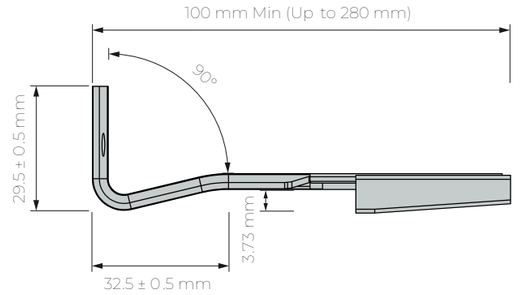
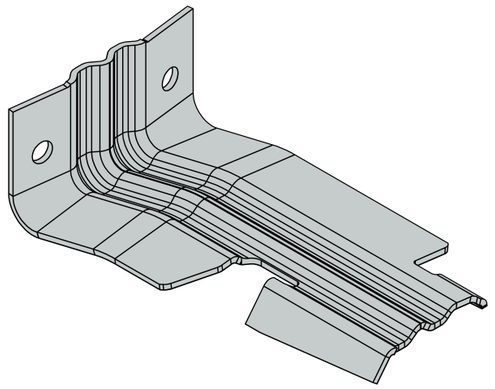
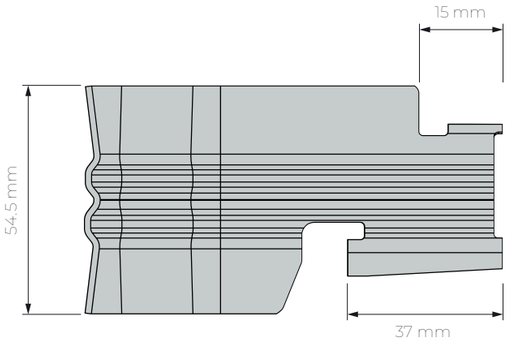








SPECIFICATION

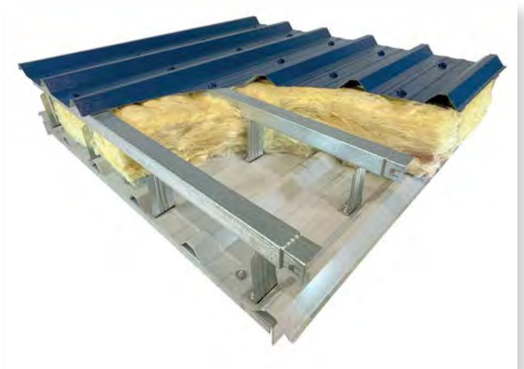
Design

Our Spacer Bar Roof & Wall System is designed and manufactured to meet relevant British Standards and Eurocodes, and carries UKCA and CE certification.

Spacer Bar is manufactured from 1.3mm steel in 1m, 2m, 3m and 6m lengths (on request). Brackets are made from 1.6mm steel and are available in heights from 100mm to 280mm in 10mm increments.

Materials

The Spacer Bar and bracket components are manufactured from light-gauge, pre-hot-dip galvanised steel in accordance with BS EN 10346:2015, BS EN 1993-1-3, and BS EN 1090-1:2009+A1:2011 (up to EXC2). Featuring a Z275 galvanised coating and a minimum yield strength of 450 N/mm², these corrosion-resistant components are cold roll-formed using advanced multi-profile roll-forming technology, delivering an exceptional strength-to-weight ratio.



Spacer Bar

Shropshire, Spacer bar

Features

- Simple, easy twist-and-lock assembly
- Spacer Bar is made from 1.3mm high-tensile galvanised steel.
- Brackets are made from 1.6mm high-tensile galvanised steel and available in heights from 100mm to 280mm.
- Suitable for both horizontal and vertical cladding applications

Benefits

- Faster installation through quick component assembly.
- High structural strength with proven load capacity.
- Ability to tackle uneven roof pitches safely and securely
- Greater customer confidence through independent testing to recognised European standards.

INSTALLATION

The Spacer Bar System is engineered for fast, efficient installation using a secure twist-and-lock mechanism. This innovative design enables quick, accurate fitting, reducing installation time while ensuring a strong, reliable connection. Easy to install with minimal tools or assembly, it provides a practical and dependable solution for a wide range of applications.

Ensure the liner sheets are securely fixed to the Zed purlins or Cee sections and correctly sealed. For over-roof refurbishments, the existing top sheet acts as the liner, so complete any repairs before installing the Spacer Bar System.

Using the twist-and-lock method, fit the first bracket within 100mm of the bar end, with additional brackets at approximately 1m intervals to suit the liner profile. Position a final bracket within 100mm of the opposite end. Place the bar and bracket assembly on the roof with the 40mm leg facing up the roof pitch towards the ridge, then fix through the pre-drilled bracket holes into the liner and purlin using self-drilling fasteners.

Connect the next bar by push-fitting the female end onto the male end of the previous bar until it clicks into place. Fit a bracket within the first 100mm and continue the process to complete the run.

FLAT-TO-PITCH CONVERSION

The Britframe system is a lightweight structural steel frame that converts flat roofs to pitched roofs. Tailored to meet specific design and structural needs, it offers a permanent solution to common flat roof issues. Designed for strength and versatility, it supports both traditional tiles and modern lightweight roofing options.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

This project involved refurbishing a Housing Association roof that had reached the end of its service life and suffered from ongoing water ingress and poor performance. After meeting Britmet at UK Construction Week, the client explored alternative solutions, leading to a proposal for a flat-to-pitch conversion using the Britmet Slate 2000 and Britframe systems for a durable, low-maintenance result.

Product Used:
BritFrame and Slate 2000

Project Size:
500 sqm

Sector:
Residential

Main Contractor:
Jennings Roofing

Sunnybank Grange, Flat-to-Pitch

Project Details

The project covered around 500m² within the Housing Association sector, using Britmet Slate 2000 (0.45mm) as part of a flat-to-pitch conversion with the Britframe system.

The original roof had internal gutters, causing ongoing water issues and repeated repairs. These were replaced with an external rainwater system to improve drainage and reliability.

Britmet supported the project from the outset, providing a budget price after the initial visit and a full NBS specification. A Project Assist agreement enabled planning drawings, application submission, and completion of all structural, system design, and rainwater calculations.

Benefits and Challenges

The new pitched roofing system significantly improves performance, replacing a failing flat roof with a watertight, better-insulated solution. It offers long-term durability with minimal maintenance and resolves drainage issues by switching to external rainwater management.

The design also enhances the building's appearance, aligning it with neighbouring pitched-roof properties. Key challenges included the poor condition of the existing roof, requiring a full redesign, careful rainwater planning, and supporting a client new to Britmet systems.

Project Outcomes

The project replaced a failing, high-maintenance roof with a durable flat-to-pitch solution, delivering a fully watertight system with improved insulation and reliable rainwater management.

It resolves previous issues while enhancing the building's appearance, providing a long-term, low-maintenance solution.

The project also established a new client relationship, highlighting Britmet's end-to-end support from initial engagement through to design, specification, and delivery.

OVERVIEW

BritFrame is a lightweight, high-strength steel system designed to convert flat roofs into pitched roofs with ease. Engineered for **durability and long-term performance**, it solves common flat roof issues like poor drainage, water pooling, and low thermal efficiency.

Available in a range of tailored configurations, BritFrame adapts to suit structural needs, whether the focus is aesthetics, load-bearing capacity, or fast installation. Its bespoke steel frame offers an outstanding strength-to-weight ratio and supports everything from traditional tiles to modern lightweight finishes.

Trusted across schools, MOD sites, and large-scale housing, BritFrame delivers a versatile, permanent solution for both retrofit and new-build projects, meeting today's building standards with speed and reliability.

Roof Covering Options:

LiteSlate
Recycled Composite Slate

Shingle
Granulated Metal Roof Panel

Slate 2000
Granulated Metal Roof Panel

Ultratile
Granulated Metal Roof Panel

Villatile
Granulated Metal Roof Panel

Profile 49
Granulated Metal Roof Panel

Plaintile
Granulated Metal Roof Panel

Pantile 2000
Lightweight Tile Effect Sheet

Also Compatible With:

Traditional Slate

Clay + Concrete Tiles

Standing Seam

Zinc, Copper + Lead

PROJECT ASSIST

Britmet's 'Project Assist' service helps lighten your workload and streamline delivery. From specific tasks to full project management, our expert team handles technical, planning, and structural requirements, saving you time and ensuring smooth, efficient progress from start to finish.

Project Assist Service: From Concept to Completion

A preliminary budget is created from the roof sketch and building perimeter measurements.

The project brief and feasibility studies are developed. A structural engineer surveys and conducts pull-out tests for system suitability.

A concept design is prepared per the brief and presented to the client. A digital building survey ensures accuracy.

The approved concept design is developed and submitted for planning approval, typically processed within 8–13 weeks.

After approval, the structural engineer completes detailed designs and calculations. Building services assess rainwater flow, U-values, and draft specifications.

The design is refined for tender documents and drawings before being released to contractors.

Construction begins. Our specification team supports technical queries and conducts inspections for system warranty sign-off.

The specification team provides inspection reports, warranties, and maintenance support.

TACTRAY 90

Tactray 90 is an innovative structural metal liner system that replaces traditional timber rafters in steel-framed buildings. Fixed directly to steel purlins with Tek screws, it creates a durable, weatherproof canopy early in installation, allowing trades to work safely beneath before final roofing is applied. Developed by Britmet Lightweight Roofing, Tactray 90 supports warm roof construction the most efficient method of insulating commercial buildings—and can achieve U-values as low as 0.1, making it ideal for energy-efficient design.

BRITMET
LIGHTWEIGHT ROOFING

CASE STUDY

By implementing Britmet's Tactray 90 system, the project delivered a safe, cost-effective RAAC solution without full removal. This enabled the rapid reopening of 409 sqm of office space, reduced ongoing inspection needs, and restored rental income, demonstrating the value of efficient, low-disruption encapsulation.

Product Used:
Tactray 90

Project Size:
409 sqm across two floors

Sector:
Commercial Office Space

Main Contractor:
Tangent Projects LTD

Lees House, Brighton, Tactray 90

Project Details

This project began after a CPD session by Total Roofing Solutions, which highlighted safe and sustainable methods for managing RAAC (Reinforced Autoclaved Aerated Concrete).

During the design process, Britmet's team collaborated with the client to address key challenges. RAAC had been identified in the building, and a safe, cost-effective solution was needed to avoid ongoing structural inspections while re-opening 409 sqm of office space across two floors.

By focusing on these priorities, the team proposed Tactray 90 as the ideal system to encapsulate RAAC, securing the building without full removal.

Benefits and Challenges

The project delivered several key benefits while overcoming notable challenges.
By encapsulating the RAAC, the solution eliminated associated safety risks and provided a cost-effective alternative to demolition or full replacement.
This approach also enabled the rapid reinstatement of two office floors, safeguarding the client's rental income and reducing long-term inspection and maintenance costs.

However, the project presented challenges, including coordinating installation around the existing office layout and ensuring complete RAAC encapsulation while minimising disruption and downtime for the client.

Project Outcomes

By utilising Britmet's Tactray 90 system, Tangent Projects Ltd and Total Roofing Solutions delivered a fast, safe, and cost-efficient RAAC encapsulation project. The system provided a robust and compliant method of securing the affected structure without the need for full removal, significantly reducing disruption and project costs.

This efficient approach enabled Lee's House to bring valuable commercial space back to market quickly, restoring functionality and revenue potential while ensuring long-term safety, compliance, and peace of mind for the client.

OVERVIEW

Britmet's Tactray 90 is a precision-engineered structural liner system delivering excellent spanning performance and design flexibility. Available in 0.75mm–1.5mm gauges, it supports a wide variety of roof finishes from traditional slates and tiles to lightweight standing seam and green roof systems.

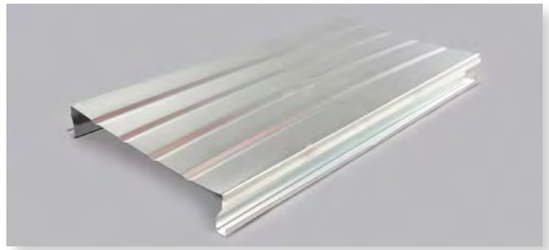
Its high structural strength allows larger purlin spans and fewer supports, reducing steelwork weight and cost. Pallets cover 60–100m² and can be loaded straight onto the roof, speeding up installation and reducing crane use.

For internal appearance, Tactray 90 comes in galvanised, white polyester, or bespoke colours, with an acoustic perforated option for tailored sound-absorption performance.

With increasing concerns around RAAC in older buildings, Tactray 90 offers a safe, non-combustible, and reliable alternative. Its proven performance makes it a trusted solution for schools, hospitals, supermarkets, sports centres, industrial units, and commercial developments.

Colour Range:

White



Galvanised

White Perforated

Galvanised Perforated

HOW CAN BRITMET HELP?

We provide a tailored service to meet each client's specific needs. With our Project Assist service, we can manage part or all of your project, reducing your workload and keeping everything on track-including technical, planning, and structural requirements.

Our structural liner system, Tactray 90, removes the need for timber rafters while delivering strong, reliable support for a wide range of roof systems-without adding congestion or increasing fire risk. Lightweight yet robust, it is suitable for fibre-cement slates, heavy stone tiles, standing seam systems, and other lightweight coverings. Quick to install and proven in performance, Tactray 90 is ideal for time-sensitive projects and has been used on hospitals, schools, supermarkets, sports centres, and commercial and industrial buildings.

BRITMET
LIGHTWEIGHT ROOFING

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