

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.

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:
Box XP Sheet & Spacer Bar

Project Size:
2267 sqm

Sector:
Office & Industrial Building

Main Contractor:
Jaques



BRITMET
LIGHTWEIGHT ROOFING



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.

Design

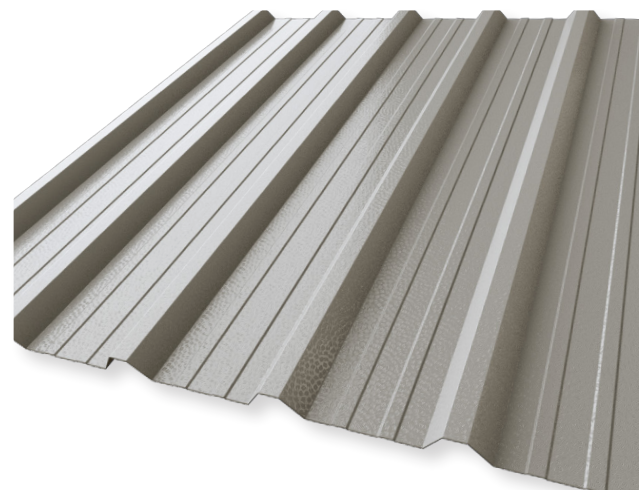
The Box XP Sheet combines a sleek trapezoidal design with exceptional strength and durability. Featuring six evenly spaced corrugations, a 32mm profile height, and a 1000mm cover width, it delivers reliable water drainage and long-lasting performance for roofing and cladding applications.

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

Corrugated Profile



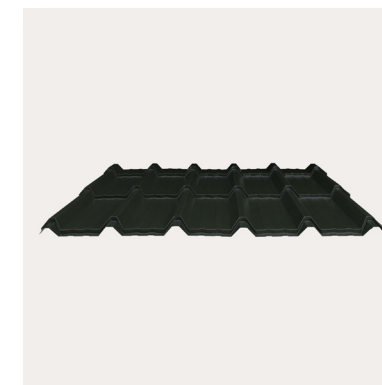
A classic and versatile roofing and cladding solution, the corrugated profile metal sheet features a traditional sinusoidal design with excellent strength and stability. Available in a range of colours, finishes, and cut-to-length options, it offers a 990mm cover width and thicknesses of 0.4mm, 0.5mm,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

Ecopan



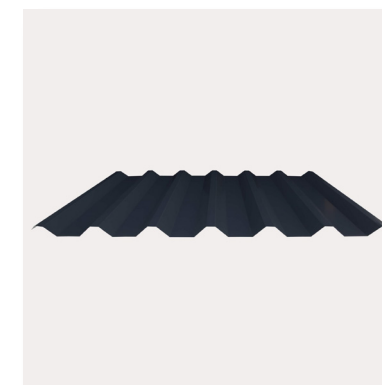
Ecopan combines the classic appearance of traditional roof tiles with the strength and practicality of metal roofing. Available in a range of colours and finishes, each sheet is cut to your required length for a tailored fit. Featuring a 1000mm cover width, available in 0.5mm and 0.7mm thicknesses, and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



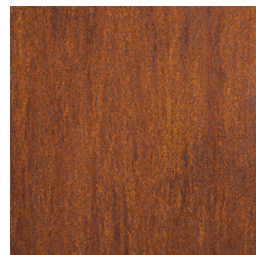
Our Box XP Sheet combines a modern, attractive appearance with durability and versatility. Available in a wide range of colours and finishes, each sheet is cut to your required length. Featuring a 1000mm cover width, it is offered in 0.4mm, 0.5mm and 0.7mm thicknesses, plus 0.8mm Corten steel, with a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

COLOUR RANGE

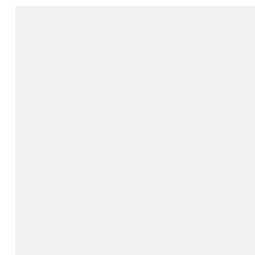
FINISHES



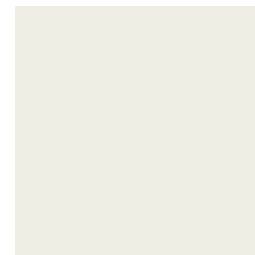
Galvanised



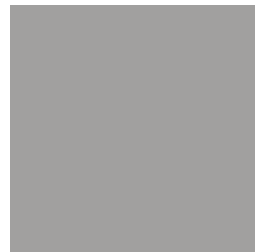
Corten



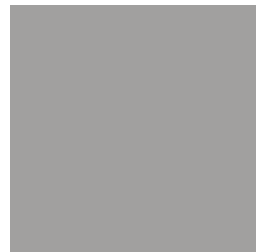
Bright White



Pure White



Silver



Goosewing Grey



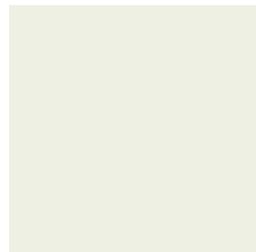
Mushroom



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



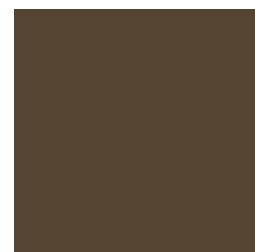
Olive Green



Moorland Green



Forest Green



Vandyke Brown

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

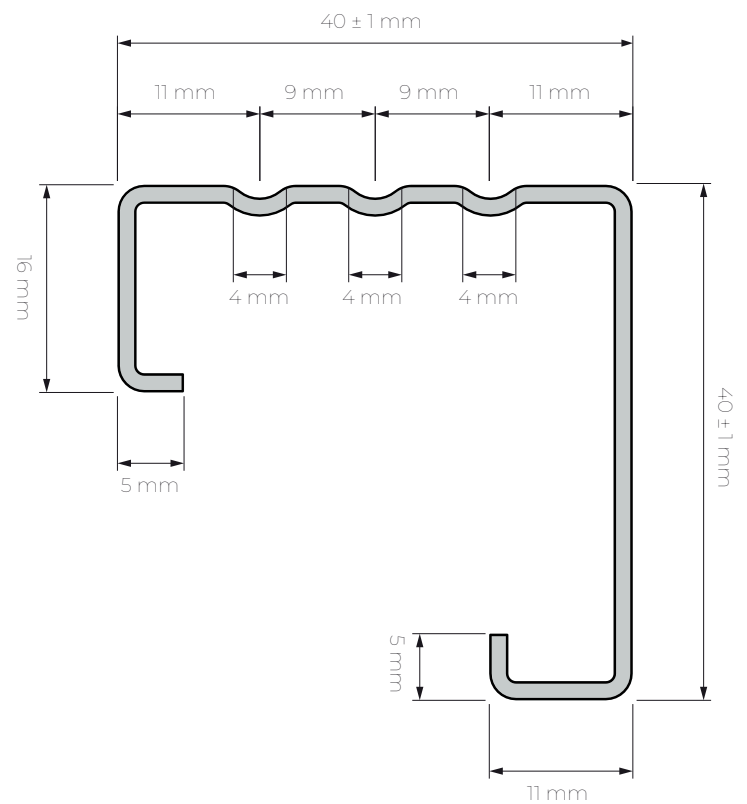
Available for all profiles in 0.5mm & 0.7mm

Corten - Mill Finish

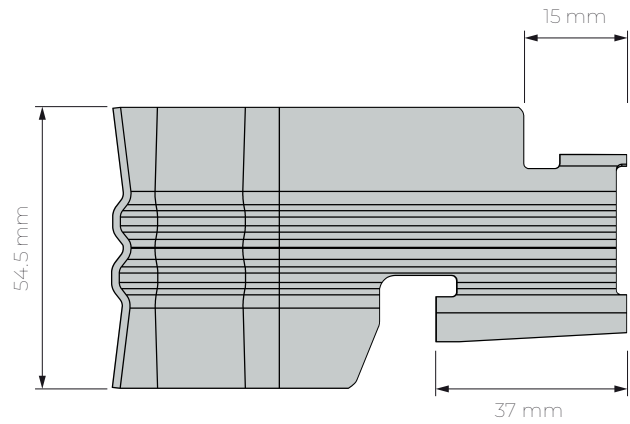
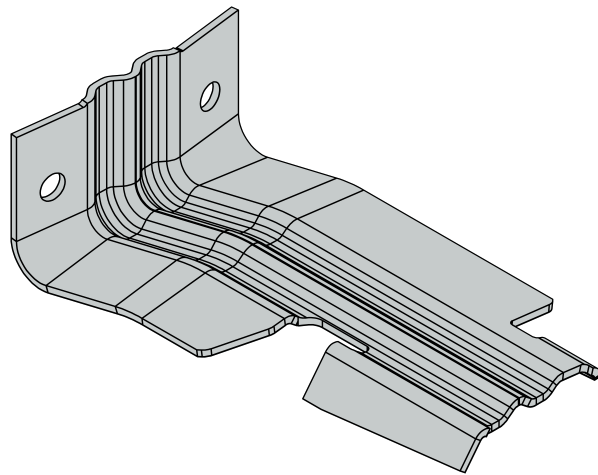
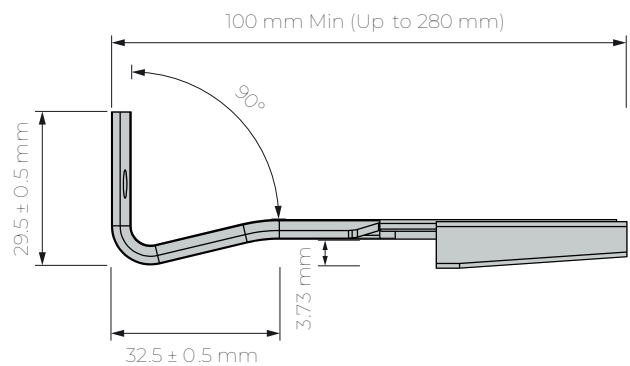
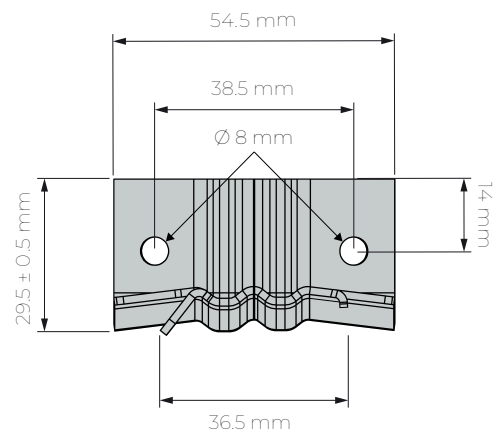
Available for Box XP Sheet (0.8mm) and Corrugated Sheet (0.8mm)

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.



All illustrations and dimensions given are for guidance only and maybe subject to a standard manufacturing tolerance of $\pm 1 \text{ mm}$.



BRITMET
LIGHTWEIGHT ROOFING

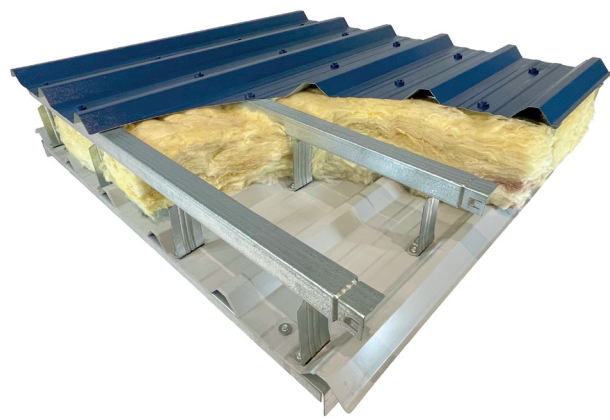
Design

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.

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.