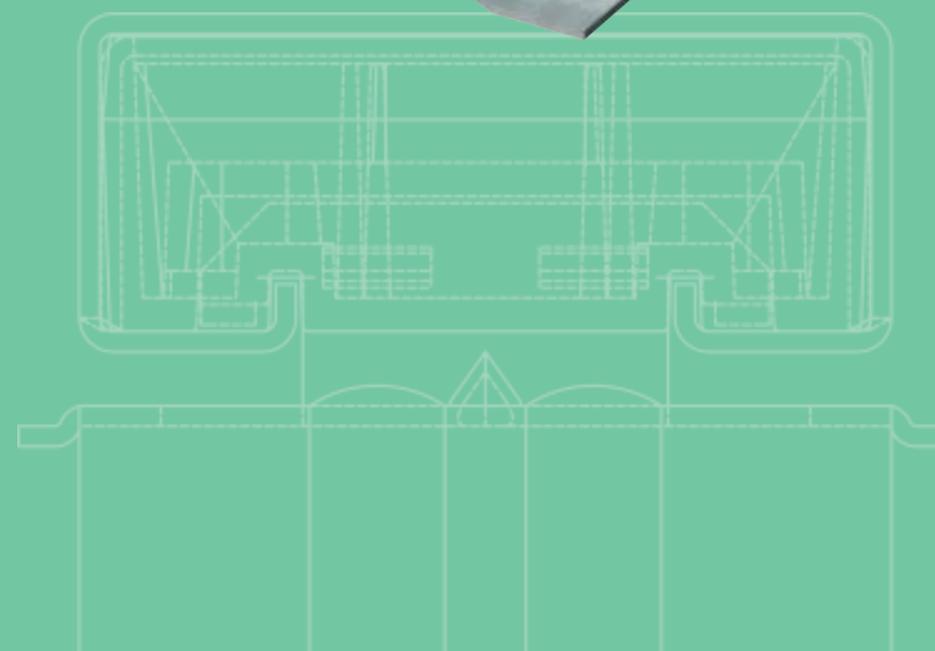


**EUROCLAD**



**Eurobar**

Spacer Systems



# Eurobar

## Eurobar Extra

### Eurobar from Euroclad

Founded in 1980, Euroclad is one of the UK's leading manufacturers of steel and aluminium roofing and cladding systems. Main brands, including Europanel, Euroseam and Secret Fix SF500, have become increasingly popular with architects and contractors; the core metal profiling activities being complemented by a full fabrications and flashings capability. Synonymous with reliable service and outstanding technical support, Euroclad has strong links with leading manufacturers for specific system elements.

The revolutionary new Eurobar Extra spacer support system has been developed to meet the challenge created by increasing construction depths. This enhanced system, combined with existing Euroclad products offers the stable performance needed for modern metal construction, while being universally compatible across most metal building applications.

As part of its commitment to quality, service and the environment Euroclad operates a Quality Management System approved to BS EN ISO 9000:2000 and an Environmental Management System approved to BS EN ISO 14001:1996.



### The system

The Eurobar Extra system offers peerless performance, providing peace of mind that your metal building is secure in the most demanding of environments. With depths from 135mm through 185mm to 200mm the Eurobar Extra spacer system offers ultimate stability without the need for anti-sway brackets. Put simply, it outperforms all other systems.

### Need for new spacer

Fundamental to any twin-skin metal roofing system is the spacer used to separate the outer weathering skin from the internal liner sheet. This stops the low-density insulation from being over-compressed. Since the implementation of Building Regulations Part L2:2001 'Conservation of Fuel and Power' the spacer is even more critical to the thermal efficiency and stability of the roofing system. With the requirements to make buildings more thermally efficient, so the insulation depths increase to meet the U-values. As a result some 'traditional' spacers can become unstable when dynamic loads are applied to the roof, often needing the addition of anti-sway brackets.

Euroclad has drawn on over twenty years of manufacturing and R&D experience and invested heavily in product development to create a bar and bracket system that is stable, thermally efficient, easy-to-fit and universally compatible.

### Ease of use

Not only is the Eurobar Extra system robust, it also offers unrivalled user-friendliness. The brackets are easily adjusted once placed and a faster, easier to fit construction benefits lead times and reduces installation difficulties. The system offers easy installation with reduced components due to a flush, secure fit at the spigot end of the bar, eliminating the need for extra fixings. If that was not enough, all relevant components are supplied as part of the Eurobar Extra system eliminating concern over the availability of the correct fixings. To aid accuracy and to assist in fixing outer sheets, the flange of the bar is embossed and the bar is also marked from 1 to 10 at 25mm intervals.

### Thermally efficient

With changes to the UK Building Regulations come increased demands on the thermal performance of building materials. To this end the Eurobar Extra system is L2 compliant. It also offers thermal insulation in the most relevant of places. The polypropylene insulated portion of the bracket is situated on the cold side of the building (next to the outer sheet). Unlike other systems this means that the insulated part of Eurobar Extra is in the ideal place. Other systems offer insulation next to the liner sheet of the building whilst Eurobar Extra puts the most effective insulation nearest to the buildings cold skin, decreasing heat loss through the outer sheet.

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The design  
of the bracket  
offers unrivalled  
strength and  
stability  
—

## Eurobar Extra

### High quality material and engineering

The Eurobar Extra system is manufactured from high quality materials using the latest engineering methods to achieve a prominent, reliable product. A fact borne out by product evaluation performed at the foremost testing facility in the UK, the CERAM Building Technology Centre.

The unique design of the bar and bracket system also offers benefits at the loading-out stage.

The sturdy bracket combined with bar lengths from 1m to 3m results in a system that can adapt to any metal building application. The use of highly specified washered fixings ensures air and water tightness.

The bar is manufactured from 1.5mm S350GDZ275 grade galvanised steel to BS EN 10147: 2000 and BS EN 10143: 1993. The bracket is manufactured from 1.5mm DX51D+Z275-N-A-C grade galvanised steel to BS EN 10142: 2000. The Eurobar Extra spacer system is highly engineered and has been rigorously tested. The system provides a stable solution and allows the contractor to be fully compliant with current building regulations by being able to lay the insulation continuously from eave to ridge.

### Fire resistance

Even in extreme conditions Eurobar Extra maintains excellent stability. In the event of a fire the polypropylene insulation portion of the Eurobar Extra bracket is designed to melt. This prompts the metal portion of the bracket to engage the bar, maintaining the integrity of the system.

### Technical support

As well as being a cutting edge, performance product, Eurobar Extra is also backed up by comprehensive technical support. Dedicated software for wind uplift has been produced to make the installation process even easier.

Technical support is readily available for the Eurobar Extra System. Euroclad also manufactures and supplies standing seam and secret fix roofing as well as a multitude of roof and wall cladding profiles. All these metal cladding systems are compatible with Eurobar Extra and a wealth of technical support is available from Euroclad for all these products.



### Elite Warranty System

Euroclad offers a 25-year warranty on all components of the fully warranted roofing and cladding systems manufactured or approved by Euroclad. The building designer and owner can therefore be confident the system specified will be installed by Euroclad's 'Elite Contractor Network' to the highest standard. The Elite Warranty Scheme requires the use of the Eurobar Extra spacer system. Please consult the Euroclad Technical Department for specification of the systems and their installation procedures.



### Typical twin-skin application of Eurobar Extra

Note the use of four fixings per bracket. This can add greater stability and peace of mind although only two fasteners fixed diagonally opposite are needed for most constructions. The 60mm wide bar is embossed to ease the installation process.

# Eurobar

## Eurobar

### The system

Also available from Euroclad is a more lightweight bar and bracket system offering easy installation as well as strength and stability when fixed.

### Ease of use

The new Eurobar is not only strong and easy to install, it is durable and simple to repair. It is easy for self-drilling fasteners to fix into and offers good fastener grip. The bracket location guide is printed every metre along the bar and the spigot/socket locks firmly into place for extra strength in vertical applications.

### Thermally efficient

Twin skin systems incorporating Eurobar offer the designer or installer an ideal solution to Part L/Technical Standard J thermal requirements. Very low U values are possible using the right combination of materials and design.

### Fire resistance

The Eurobar system complies with Approved Document L2 having been tested for firewall applications with the majority of metal sheet profiles available on the UK market.

### Technical support

As with all products supplied by Euroclad the Eurobar system is backed up by comprehensive technical support. Dedicated software for wind uplift has been produced to ease the installation process.

Also, remember that Euroclad, as manufacturers of an entire range of metal building systems, can offer a complete package of technical support.

### High quality material and engineering

Eurobar is manufactured from pre-galvanised cold rolled and pressed high tensile steel components with a factory applied EPDM rubber pad.

Tested by CERAM research and thermally modelled by Oxford Brookes University Eurobar is a proven high quality system.

The traditional bracket combined with bar lengths of 1m, 2m and 3m results in an adaptive system applicable to most metal building projects. The use of highly specified washered fixings ensures air and water tightness.

Eurobar spacer system featuring sturdy brackets and a bar width of 40mm.





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