

EUROSTYLETM

Elegant | Flexible | Functional | Innovative



epicTM

spanlokTM

eurolokTM

Roofing
Industries
roof.co.nz

Taking Roofing and Cladding in New Directions

www.roof.co.nz

EUROSTYLE

epic™ series



The **epic™** series of profiles remain the backbone of Roofing Industries traditional tray type roofing, cladding, panelling and soffit products, are well proven and remain at the forefront of the residential and commercial construction industry. Normally installed over a solid ply substrate, **epic™** profiles are an elite roofing, cladding and walling system with variation in profile choice most certainly stretching architectural boundaries by offering elegance, design flexibility, sustainability supported by extensive material choice.

Applications

- » Residential roofing and cladding
- » Commercial roofing and cladding
- » Heritage buildings
- » Public buildings
- » Sporting arenas
- » Churches and art galleries
- » Alpine snowfall areas
- » Internal wall panelling

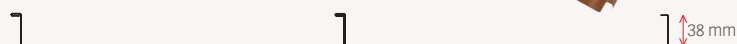
Materials

epic™ series profiles are manufactured using a selection of aesthetically pleasing substrates and surface finishes meeting any challenging environmental, climatic, sustainability or design consideration.

Manufacturing capability

epic™ is primarily manufactured cut to length in the North Island however can also be manufactured onsite or freighted throughout New Zealand. Alternatively each of our Branches can manufacture and supply product direct from their locations at maximum 8.2 metre lengths. Onsite manufacturing is also available subject to minimum order quantity and specific quotation.

Profiles



Angle Seam

Displays a wider effect of the seam providing a striking appearance in both roofing and cladding situations.



Double Standing Seam

A traditional tray profile which offers superior performance in high wind, rainfall and snow. Available in Copper, Zinc and Aluminium.



Roll Seam

A seamed cap profile that offers variable shading in any roof or wall cladding application, yet still providing minimalistic lines.



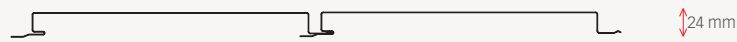
Roll Cap

Displays the boldest effect of any of the Eurostyle™ profiles with highly defined longitudinal lines providing light and shade variations.



Snap Lock

Provides a similar but slightly bolder look to Double Standing Seam, however is secret screw fixed and clipped together rather than seamed.



Wall & Soffit Panel

An interlocking panel available as butt join or variable recessed joint up to 25mm suitable for soffits and wall cladding offering a striking appearance.

Standard pan widths (nominal)

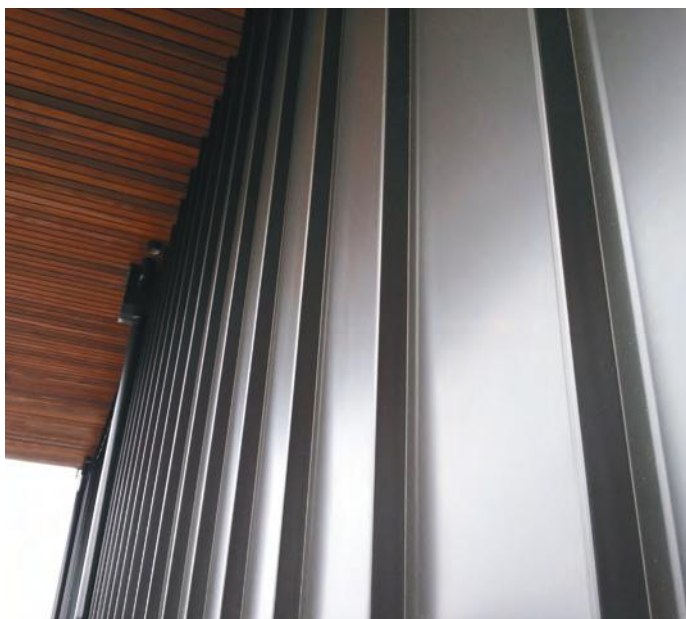
Pan width is profile dependant and can range from 195mm to 515mm. For further information please visit www.roof.co.nz

Purlin and girt spacing

Recommended spacings are available from the profile technical summary on our website.



spanlok™ – A revolutionary new and innovative series of standing seam roofing and cladding profiles which are ideally suited for roofing and cladding applications and without the need for solid substrate support and is simply fixed to purlins and girts thereby greatly reducing construction costs. With a distinctly higher 45 mm rib profile, **spanlok™** has both aesthetically pleasing shadow lines and excellent spanning capability. Available in varying tray widths and profile shapes **spanlok™** will allow building designers flexibility, flair and individual inspiration.



Applications

- » Residential roofing and cladding
- » Commercial roofing and cladding
- » Heritage buildings
- » Public buildings
- » Sporting arenas
- » Churches and art galleries
- » Alpine snowfall areas
- » Internal wall panelling

Profiles



Materials

spanlok™ is manufactured using a selection of aesthetically pleasing substrates and can be supplied with variations in surface finishes meeting any challenging environmental, climatic, sustainability or design consideration.

Manufacturing capability

spanlok™ is manufactured in the North Island and is supplied cut to length. Onsite manufacturing is also available subject to minimum order quantity and specific quotation.

Standard pan widths (nominal)

.55BMT plain and prepainted steel	.90 Aluminium and Alumi Guard	.70 Copper
365mm	–	335mm
450mm	445mm	–

NB. For other variations other than standard sizes and materials contact Roofing Industries.

Purlin and girt spacing

Recommended purlin and girt spacings are contained in the table below. Reference should also be made to Wind Loading Section as this may limit purlin and girt spacing.

	Roof	Walls
Intermediate Span	600mm	900mm
End Span	600mm	600mm

EUROSTYLE

eurolok™ series



eurolok™ – A new and innovative series of standing seam roofing and cladding profiles included within the popular Eurostyle™ product range and has recently been launched to the New Zealand market. **eurolok™** is the first tray profile of its type to offer an extended 50mm rib height thereby providing stunning shadow lines plus additional spanning capability and has an added major advantage in that product is installed directly onto purlins and girts without the use of a solid substrate. Available in varying tray widths and particularly suitable for use in snowfall areas **eurolok™** will provide strong and aesthetically pleasing options for building designers.

Applications

- » Residential roofing and cladding
- » Commercial roofing and cladding
- » Heritage buildings
- » Public buildings
- » Sporting arenas
- » Churches and art galleries
- » Alpine snowfall areas
- » Internal wall panelling

Materials

eurolok™ is manufactured using a selection of aesthetically pleasing substrates and can be supplied with variations in surface finishes meeting any challenging environmental, climatic, sustainability or design consideration.



Profiles



Standard locked finish



Optional seamed finish



Manufacturing capability

eurolok™ is manufactured in the South Island and is supplied cut to length. Onsite manufacturing is also available subject to minimum order quantity and specific quotation.

Standard pan widths (nominal)

.55BMT plain and prepainted steel	.90 Aluminium and Alumi Guard	.70 Copper
365mm	—	335mm
450mm	445mm	450mm

NB. For other variations other than standard sizes and materials contact Roofing Industries.

Purlin and girt spacing

Recommended purlin and girt spacings are contained in the table below. Reference should also be made to the Wind Loading Section as this may limit purlin and girt spacing.

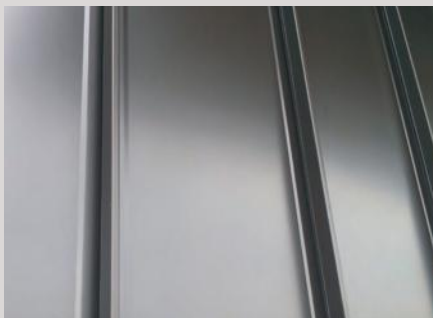
	Roof	Walls
Intermediate Span	600mm	900mm
End Span	600mm	600mm



EUROSTYLE™

epic™ spanlok™ eurolok™

TECHNICAL SECTION



For **spanlok™** and **eurolok™**, the clip relief swage close to the sides of the pan creates aesthetically pleasing effects with the contrasting shade and light. Contact Roofing Industries staff for specific advice.



Design Consideration

The designer should take into account the following factors when specifying one of the Eurostyle™ products:

- » Preferred pan width
- » Installed on solid substrate or attached to purlins and girts
- » Site environmental conditions
- » Material type and finish
- » Roof pitch
- » Sheet lengths
- » Standard or seamed lap
- » Wind loadings and spanning capabilities
- » Snow design
- » Swaged or non swaged profile
- » Reference to Eurostyle™ technical drawings and Profile Technical Summaries

Most of this information is readily available from our website, technical literature, or NZ Metal Roof and Wall Cladding Code of Practice.

Swaging technology

Advanced Eurostyle™ manufacturing technology minimises the incidence of surface undulations commonly associated with wide pan profiles, however, with some metals there is virtually no escaping minor imperfections. To further assist in removing surface deformation, Eurostyle™ does provide an optional swaging facility if so required.

Minimum roof pitch

The minimum roof pitch for **spanlok™** and **eurolok™** is 3 degrees. Minimum pitch is governed by profile type, sheet length, cross welt transverse joints and snow loadings. For further and more detailed information, refer to the Profile Technical Summary literature available from our website.

The minimum roof pitch for **epic™** roofing type profile varies between 3 and 7 degrees dependant on profile type, sheet length, cross welt transverse joints and snow loadings. For further and more detailed information, refer to the Profile Technical Summary available from our website.

All Eurostyle™ products are available in the following substrates and surface finishes subject to minimum order and material availability

- » Copper
- » Zinalume®
- » Aluminium
- » Stainless steel
- » Natural Zinc
- » Terne Coated
- » Colorcote® Zina Core™, Magna Flow™, Alumi Gard™
- » Colorsteel® Endura®, Maxx®



Durability

Selection of the correct grade of material and appropriate surface coating is imperative to ensure any of the Eurostyle™ range of products will perform satisfactorily in the environment to be installed and meets the requirements of the NZ Building Code. Environmental categories and surface coating literature is available from our website.

Wind loadings

Eurostyle™ products have been extensively tested in accordance with the NZMRM test procedure on the industry test rig utilising variations in fastening systems and purlin/girt spacings. Wind Load Span Design Graphs to determine appropriate spanning are available from the Profile Technical Summary Literature available on our website.

Curving

Eurostyle™ profiles can be either, Drape, Concave or Convex curved to varying radii with this dependant on curve type, plus material and thickness used as profile substrate. Further information is available by contacting Roofing Industries.





Underlay

An absorbent breather type underlay is recommended under all Eurostyle™ profiles. Thermakraft 407 is the recommended underlay.

Ventilation

Eurostyle™ products like any metal roof must have provisions for ventilation of the roof space to allow condensation to dissipate.

Ventilation should be provided at the eaves and ridge. Where a plywood substrate is used a ventilation space of 40mm minimum is recommended below the plywood with air flow to eaves and ridges.

An underlayment called Thermakraft Drainage Matt can also be used which provides a thin layer of scrambled nylon between the plywood and Eurostyle™ profiles to allow ventilation to occur.

Ventilation is particularly important with skillion type roofs.

Roof Expansion Provisions

Refer to the Eurostyle™ Profile Technical Summaries available from our website.

Accessories

A full range of matching accessories is available, including ridging, flashings fasteners, membranes, drainage matting, insulation and rainwater systems.

Spouting and Guttering

To avoid exposing the end of the roof sheeting at the gutter line it is recommended that consideration is given to the use of a higher face spouting or gutter system, particularly at lower roof pitches.

Fixings and fasteners

All fixings and fasteners are to be of an approved type, compatible with all materials, the environment and meeting the requirements of the NZ Building Code. Installation is to be in accordance with the NZ Metal Roof and Wall Cladding Code of Practice or manufacturer's instructions.

Ordering

Roofing Industries staff can provide technical assistance to ensure accurate ordering of roofing, cladding and accessories thereby avoiding costly errors. Eurostyle™ products can be manufactured on site or delivered from the factory direct to site subject to minimum order quantity and transportation restrictions. NB. Onsite manufacture requires specific quotation.

Handling and storage

Due to both profile shape and the width of pans, all Eurostyle™ profiles require additional care during delivery, onsite storage and during roof loading.

IMPORTANT! On delivery, read the pack label and visually inspect the sheets for damage.

» Store profiles and accessories on evenly spaced and supportive dunnage, clear of the ground and under cover.

- » Long lengths of roofing should be lifted onto the roof using an approved load spreading beam.
- » If protected with strippable plastic film, keep under cover and remove as the product is being installed.

Installation

Eurostyle™ products require specific installation skills with products installed by fully trained and competent professionals. Prior to commencing the project and to avoid voiding any warranty, refer to Roofing Industries technical literature available from our website.

Maintenance

Maintenance Guides are available and should be consulted in order that warranty conditions are fulfilled.

Warranties

Warranties meet or exceed the statutory requirements of the NZ Building Code, are available on request and reflect our New Zealand owned and operated company, test facilities and local climatic conditions. Available at www.roof.co.nz

Further technical advice

During the design process using Eurostyle™ products, building designers should refer to further detailed technical information contained in the Profile Technical Summaries literature available from our website.



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Eurostyle™ products are outside of the scope of E2/AS1 and are therefore subject to specific design details. This literature should be read in conjunction with our published technical information.



Roofing Industries Technical Helpline 0800 844 822

WWW.ROOF.CO.NZ

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