



Aluminium & Steel Profiled Cladding Systems

RIGIDAL
PROFILEDCLADDING

The Rigidal Range of Profiled Cladding

Rigidal Industries manufacture an extensive range of aluminium and steel profiled cladding systems for use in a variety of roof, wall and lining applications. The range of trapezoidal and sinusoidal profiles together with secret fix lining systems provide the specifier and contractor with an unbeatable choice of cost-effective cladding solutions to meet the most challenging of performance specifications.

Creative building design often requires a softness of line and detail of feature that can't always be achieved with traditional profiled sheeting and flashing design. To meet this



requirement Rigidal are able to offer both smooth and crimp curved options together with profiled closure pieces, flashings and mitred units.

Offering the ultimate in design flexibility, Rigidal profiled cladding is available in a wide range of colours and finishes.

Product Selection

Please use the table below to select the cladding profile that best meets your requirements. Full details on each profile are given in the following pages.

Product Reference	Type C	Type A	Type B	Page No.
	Broad Rib Face Supported Side Lap	Narrow Rib Face Supported Side Lap	Narrow Rib Face Unsupported Side Lap	
19/76/1067 ('S' Type)	✗	✗	✓**	3
20/100/1000 (MM10)	✓	✓**	✓**	4
20/125/1000	✓*	✓*	✓*	4
20/200/1000	✓*	✓*	✓*	5
20/300/900	✓	✗	✗	5
32/167/1000	✓*	✓*	✓*	6
38/152/914 (R38/WA6)	✓*	✓*	✓*	7
38/200/1000	✓	✗	✓*	7
40/143/1000	✓*	✓	✓	8
45/152/914 (WB6)	✓	✗	✓*	8
50/167/1000	✓*	✓	✓*	9
65/152/762	✗	✓*	✓*	9

**Can be smooth curved *Can be crimp curved

Rigidal 19/76/1067 & 19/76/991 ('S' Type)

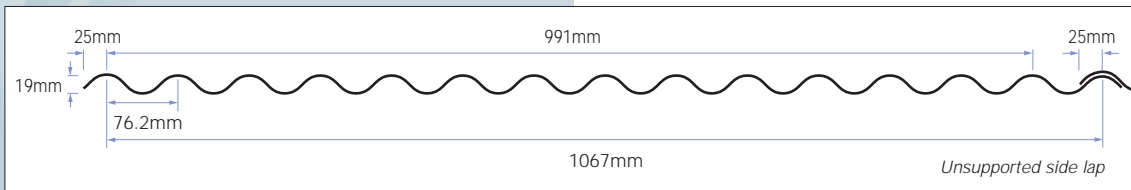
Roof Cladding Liner Soffit

A general purpose sinusoidal cladding sheet designed for use in a variety of applications. The symmetrical profile is ideal for forming into smooth curves. In exposed situations, it is recommended that two corrugation side laps be used, reducing the effective cover width to 991mm. Only available with an unsupported side lap.



Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.70	1067/991	5°	1.5 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.36				10-15° sealed and stitched @ 450 mm centres
	0.9	3.06				>15° unsealed and stitched @ 450 mm centres
Steel	0.5	4.89				
	0.7	6.86				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 20/100/1000 (MM10)

Roof

Cladding

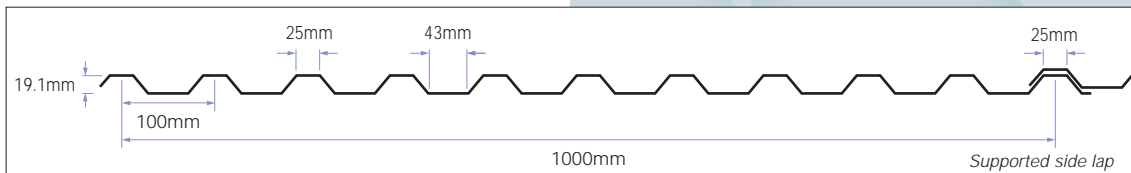
Liner

Soffit

A lightly profiled sheet which is ideal for domestic roofing and cladding, canopy soffits, fascias, parapets and small span applications. It is particularly suited for use as a lining sheet with the Rigidal Ziplok standing seam roofing system and can be supplied smooth curved. Available fully perforated, with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.70	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.38				10-15° sealed and stitched @ 450 mm centres
Steel	0.9	3.06				>15° unsealed and stitched @ 450 mm centres
	0.5	4.90				
	0.7	6.86				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 20/125/1000

Roof

Cladding

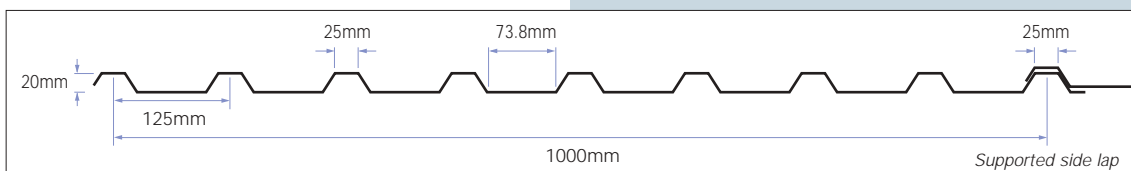
Liner

Soffit

A discretely profiled sheet that is ideal for domestic roofing and cladding, canopy soffits, fascias, parapets and small span applications. It is compatible with three other metric profiles in the profiled cladding range making it a perfect lining sheet for cost-effective twin skin applications. Available webbed or fully perforated with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.7	2.38	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.9	3.06				10-15° sealed and stitched @ 450 mm centres
Steel	0.5	4.90				>15° unsealed and stitched @ 450 mm centres
	0.7	6.86				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



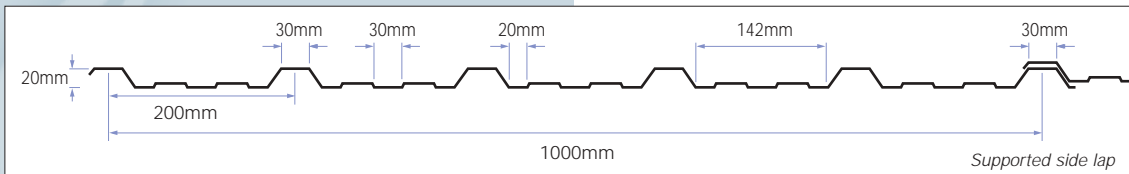
Rigidal 20/200/1000

Roof Cladding Liner Soffit

A general purpose roof cladding sheet for applications where the loading/span requirements are kept to a minimum. The 1000mm cover width provides an extremely cost-effective solution. Available with a supported or unsupported side lap, also with flat pan if required.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.57	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.20				10-15° sealed and stitched @ 450 mm centres
Steel	0.5	4.50				>15° unsealed and stitched @ 450 mm centres
	0.7	6.29				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



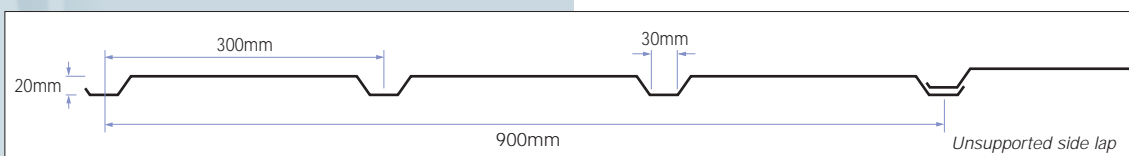
Rigidal 20/300/900

Roof Cladding Liner Soffit

Designed for use as a soffit lining sheet for forecourt canopies Rigidal 20/300/900 has the aesthetics of a secret fix system at the cost of a profiled sheet. The 900mm cover width is available fully perforated with an unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.7	1.91	900	5°	1 to 15*	Please contact our Technical Department for guidance
	0.9	2.46				
Steel	0.5	3.93				
	0.7	5.50				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 32/167/1000

Roof

Cladding

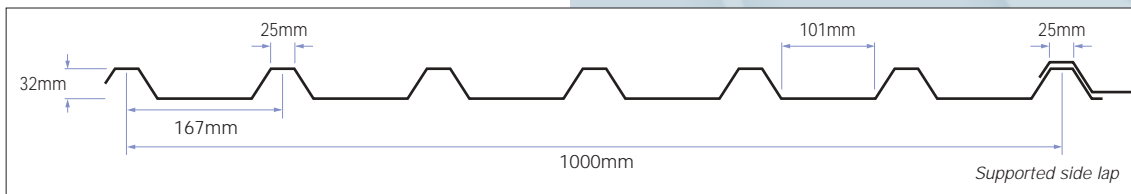
Liner

Soffit

A cost-effective roof sheet for small spans and light loadings that can be supplied with or without a supported side lap. Rigidal 32/167/1000 can also be used for vertical cladding where the outward facing broad ribs give a striking visual effect. For this application the side lap is reduced to make it a more economic option.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.70	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.38				10-15° sealed and stitched @ 450 mm centres
	0.9	3.06				>15° unsealed and stitched @ 450 mm centres
Steel	0.5	4.90				
	0.7	6.86				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 38/152/914 (R38/WA6)

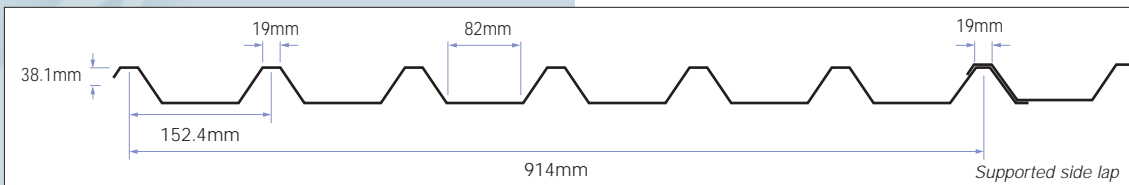
Roof Cladding Liner Soffit

A versatile cladding sheet that can be used for both roofing and vertical applications. For roofing applications it provides a cost-effective and structurally sound solution that is easy to fix. For vertical applications the side lap detail is modified and the profile is used with the reverse side outward to give a bold visual effect. Available with a supported or unsupported side lap.



Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.70	914	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.38				10-15° sealed and stitched @ 450 mm centres
	0.9	3.06				
Steel	1.2	4.08				>15° unsealed and stitched @ 450 mm centres
	0.5	4.90				
	0.7	6.86				

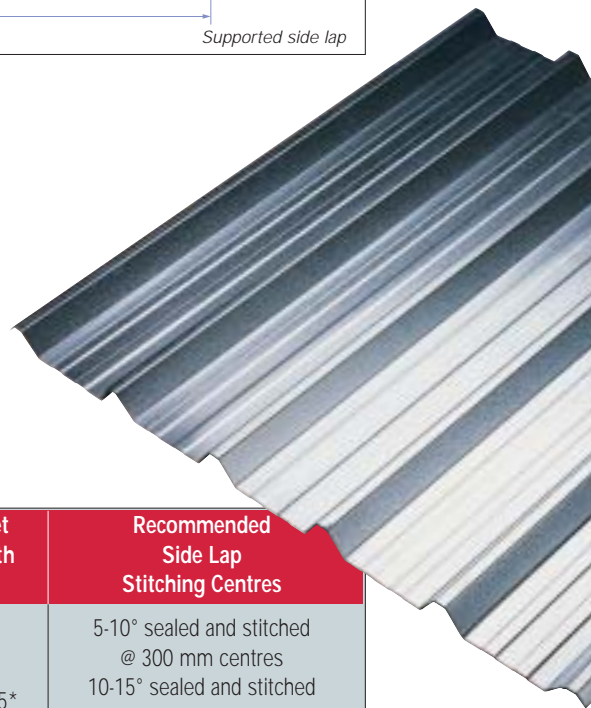
* Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 38/200/1000

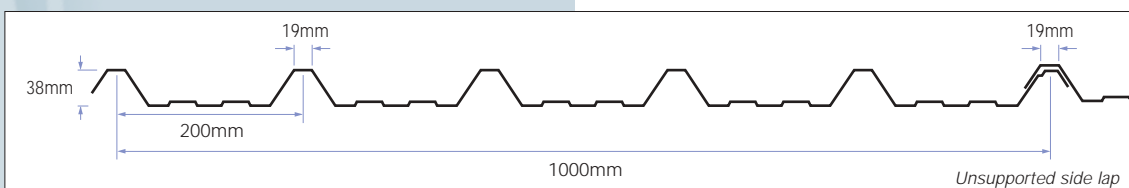
Roof Cladding Liner Soffit

Recognising the requirement for a 1000mm wide profiled sheet, Rigidal 38/200/1000 uses the trapezoidal design of Rigidal 38/152/914 in this wider format. Whilst the loading characteristics are slightly lower than the Rigidal 38/152/914, the 1000mm cover width provides an extremely cost-effective solution. Available webbed or fully perforated, with a supported or unsupported side lap, also with flat pan if required.



Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.5	1.70	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.7	2.38				10-15° sealed and stitched @ 450 mm centres
	0.9	3.06				
Steel	1.2	4.08				>15° unsealed and stitched @ 450 mm centres
	0.5	4.90				
	0.7	6.86				

* Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



For a supported side lap detail please contact our Technical Department



Rigidal 40/143/1000

Roof

Cladding

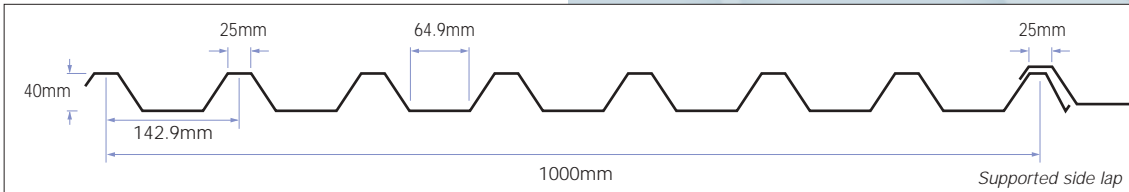
Liner

Soffit

A general purpose roof and cladding sheet suitable for most span and loading requirements. A special side lap detail with integral drainage channel provides extra protection against roof leaks. Laps should still be sealed and the special eaves to ridge fixing sequence strictly followed. Available with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.7	2.61	1000	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.9	3.35				10-15° sealed and stitched @ 450 mm centres
Steel	0.5	4.91	867	5°	1 to 15*	>15° unsealed and stitched @ 450 mm centres
	0.7	6.87				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal 45/152/914 (WB6)

Roof

Cladding

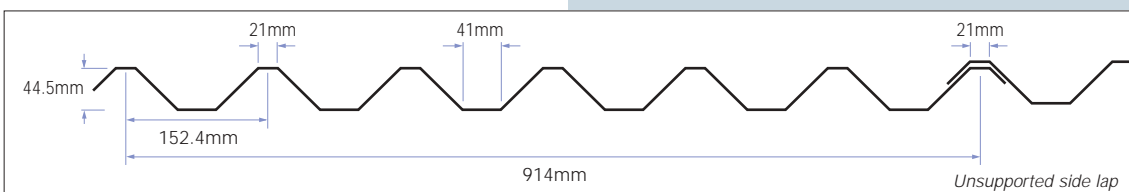
Liner

Soffit

Similar in profile to Rigidal 38/152/914, but with a profile depth of 44.5mm, Rigidal 45/152/914 has a far superior spanning capacity and is ideal where greater loadings are required. Rigidal 45/152/914 is available webb or fully perforated, with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.7	2.27	914	5°	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.9	2.92				10-15° sealed and stitched @ 450 mm centres
Steel	0.5	4.87	914	4° in 1 sheet ridge to eaves)	1 to 15*	>15° unsealed and stitched @ 450 mm centres
	0.7	6.82				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



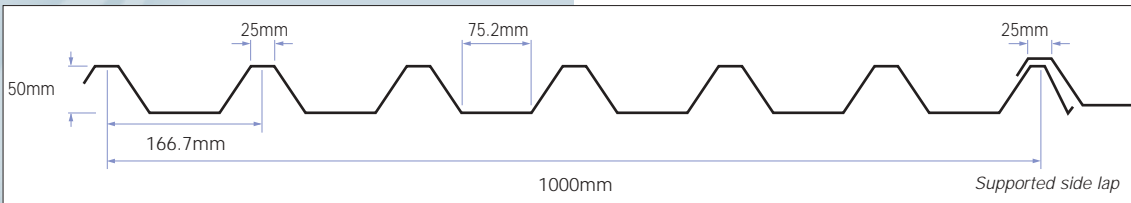
Rigidal 50/167/1000

Roof Cladding Liner Soffit

A robust heavy-duty roofing and wall sheet which is particularly suitable for large spans or heavy load applications. The design incorporates an integral drainage channel to provide extra protection against roof leaks. Laps should still be sealed and the special eaves to ridge fixing sequence strictly followed. Available with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.7	2.68	1000	5° (4° in 1 sheet ridge to eaves)	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	0.9	3.45				10-15° sealed and stitched @ 450 mm centres
	1.2	4.59				>15° unsealed and stitched @ 450 mm centres
Steel	0.5	4.91	833			
	0.7	6.87				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



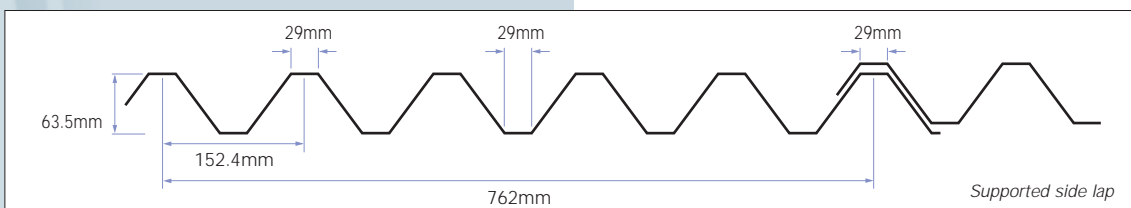
Rigidal 65/152/762

Roof Cladding Liner Soffit

A deep profile intended for roofing applications where strength, rigidity and depth of drainage channel are the main criteria. The deep profile of Rigidal 65/152/762 gives a bold appearance and an aesthetically pleasing shadow line. Available with a supported or unsupported side lap.

Material	Nominal Gauge (mm)	Typical Weight (kg/lm)	Effective Cover Width (mm)	Minimum Roof Pitch	Sheet Length (m)	Recommended Side Lap Stitching Centres
Aluminium	0.9	2.96	762	5° (4° in 1 sheet ridge to eaves)	1 to 15*	5-10° sealed and stitched @ 300 mm centres
	1.2	3.94				10-15° sealed and stitched @ 450 mm centres
	0.5	4.77				>15° unsealed and stitched @ 450 mm centres
Steel	0.5	4.77				
	0.7	6.68				

*Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Rigidal Riblok

Roof

Cladding

Liner

Soffit

The Rigidal Riblok range of secret fix cladding was initially developed for the petroleum industry to provide a durable and low maintenance soffit lining for forecourt canopies. The aesthetically pleasing and clean lines proved so successful that the product application has been extended to cover internal soffit applications, fascias and external wall design.

Available in widths of 150, 200 and 300mm Riblok provides a cost-effective solution for both

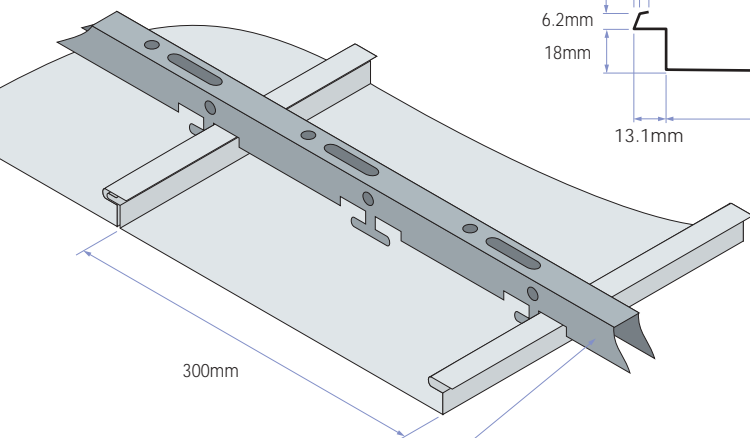
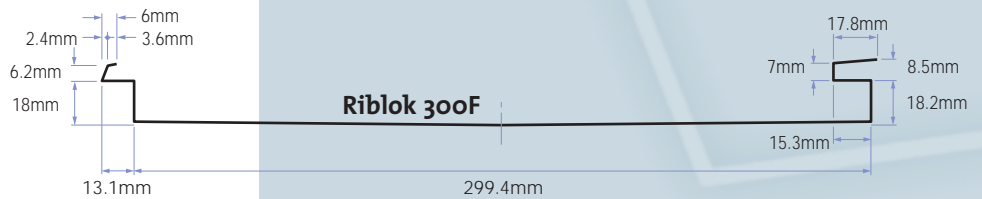
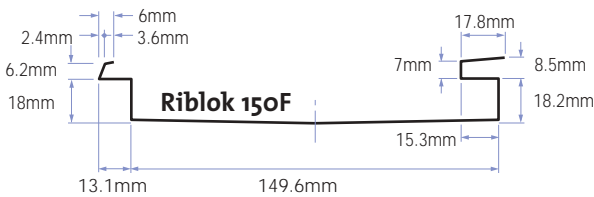
newbuild and refurbishment projects. Riblok 150, 200 and 300 are available with two facade profiles (R&F) and can be interchanged to create a number of aesthetically pleasing designs.

The Riblok panels are fixed in place by using a concealed carrier system that is fixed to the substrate. The Riblok panels are simply snapped into place together with mineral fibre insulation in the void behind the exterior façade depending on thermal requirements. Work can commence from either edge of the cladding area, working across in the same direction until complete.

See also Rigidal 20/300/900 on page 5 for soffit lining.

	Material	Nominal Gauge (mm)	Typical Weight (kg/m)	Effective Cover Width (mm)	Sheet Length (m)
Riblok 150	Aluminium	0.7	0.56	150	1 to 15*
Riblok 200	Aluminium	0.9	0.72	200	1 to 15*
Riblok 300	Aluminium	0.9	0.97	300	1 to 15*

* Shorter/longer lengths available but may be subject to additional cost. Please contact Rigidal for further details.



Aluminium or galvanised steel carrier



Riblok 300R

Product Properties

Fire Performance

The Rigidal range of profiled cladding achieves the following results that enable them to achieve a Class O rating as classified by Building Regulations.

Test	Result
BS476 : Part 3 : 1975 External fire exposure roof test	FAA/SAA
BS476 : Part 7 : 1997 To determine the classification of the surface spread of flame of products	Class 1 Rating for aluminium/steel metal facings

Acoustic Properties

A variety of systems to enhance the acoustic properties of the Rigidal profiled cladding range in terms of sound deadening and reverberation are available. For further information, please contact our Technical Department.

Standards & Approvals

Rigidal profiled cladding is produced to the highest quality standards including BS EN ISO 9001: 1994. Products have been designed to fulfil a specific application and have been manufactured to precise standards and tolerances.



Certificate No: 910442/A

Guarantees & Warranties

Rigidal Industries will provide a product warranty and guarantee on the internal and external coatings on a project by project basis. For further information, please contact our Technical Department.



Packaging

Rigidal profiled cladding in steel is bundled and strapped with protective timbers top and bottom. aluminium profiled cladding is packed in the same way but with the addition of polythene wrapping.

Delivery

Unless otherwise indicated all deliveries are by road transport, direct to the project site. Shipping by sea freight is subject to an additional cost.

Storage

storage on site prior to installation must be in a completely dry environment to avoid corrosion occurring between the sheets.



Site Installation

For instructions on site installation please contact our Technical Department.

Metal Facings

Rigidal profiled cladding is available in either 300 series aluminium or pre-painted Z275 galvanised steel with the following finishes. Most products are also available in other substrates such as copper and stainless steel. Please contact Rigidal for further information.

Stucco embossed plain mill finish aluminium

– 'Plain mill finish aluminium is normally expected to last the life of the building without maintenance'- BS 5427: 1976

ARS – Abrasion resistant coating for aluminium with good handling characteristics providing a long-term aesthetic life of approximately 15 years.

PVF2 – provides a long-term aesthetic life of approximately 20 years on aluminium, offering excellent durability and colour stability. Also available as a steel finish with a minimum life to maintenance of 15 years due to the steel substrate.

Plastisol – high performance coating for steel substrates.

Polyester – a cost effective colour coating with a medium term life for both aluminium and steel.

Durability of Coatings

The durability of a metal coating is determined by geographical location, local environment and the colour selected. The information given above is intended as a general guide for locations in the UK. For further information please contact our Technical Department or the relevant coatings manufacturer.

Rigidal Industries reserve the right to amend product specifications without prior notice. The information and technical details included in this brochure are included as a guide only. For further information, please contact our Technical Department.





RIGIDAL
SYSTEMS

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