



FiberthermX

SYSTEM DATASHEETS

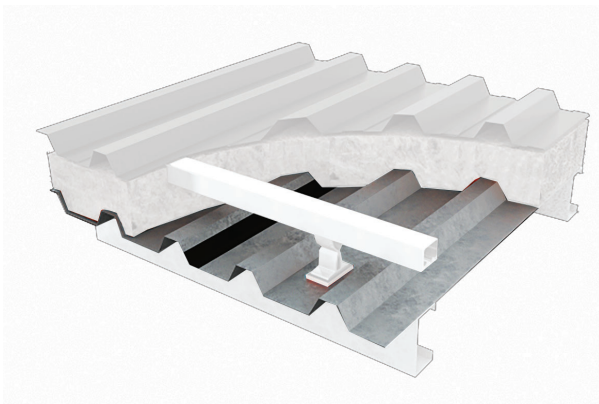
- RL LinerDeck
- RL Perforated LinerDeck
- RL Fibertherm Insulation
- RL Post and Rail
- RL TopDeck T
- RL Closure Foam
- RL Butyl Lap Tape
- RL Vented Comb Filler



RL LINERDECK

For FiberthermX Systems

RL LinerDeck has been designed and engineered to provide a steel liner for the subsequent installation of the RoofLogic FiberthermX system.



RL LinerDeck during installation

DESCRIPTION

The RL LinerDeck is a metal deck substrate with a trapezoidal profile. When it is installed in accordance with RoofLogic specifications, the LinerDeck offers support for RL FiberthermX system components and effectively withstands the point loads during installation.

The RL LinerDeck in combination with Butyl Tape and Closure Foam serves as the Vapour Control Layer in the system to efficiently manage vapour drive and mitigate condensation, mould and corrosion.

BENEFITS

- Programme benefits : Installation of the RL LinerDeck provides early close-in of the building to protect the interior from weather.
- Health and Safety: RL LinerDeck provides a secure working platform for installers, minimising the risk of falls from heights post-installation. A continuous LinerDeck also protects tradespeople working within the building from the risk of falling objects.
- Aesthetics: When the RL LinerDeck is left exposed to the interior, it can be provided in a range of colours.

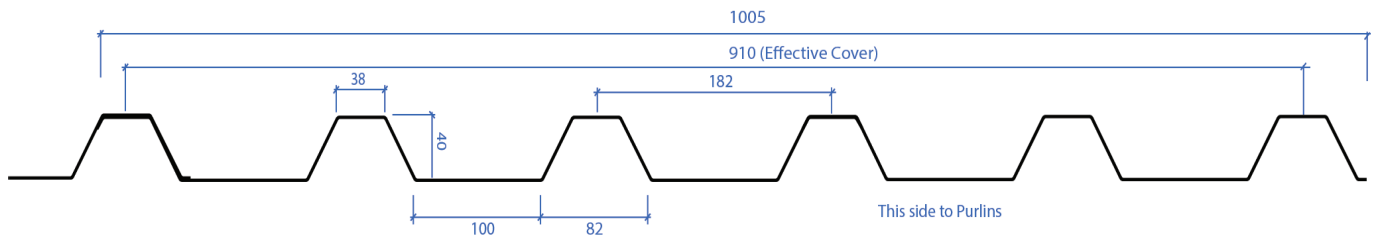
MATERIAL AND FINISH

RL LinerDeck is manufactured from 0.50BMT minimum.

The standard finish for RL LinerDeck is a plain zinc aluminium. This ZINCALUME® coated steel conforms to AS1397:2011 and is Red List Free.

When exposed internally, the RL LinerDeck can be manufactured with a coloured finish. The standard colour for the exposed internal face is Titania, with additional colours from the ColorSteel and ColorCote ranges available upon request (subject to minimum order quantities).





INSTALLATION

The RL LinerDeck can be installed over steel or timber purlins. The deck is to be secured at every purlin in every pan. The following fixings are to be used when fixing RL LinerDeck to purlins:

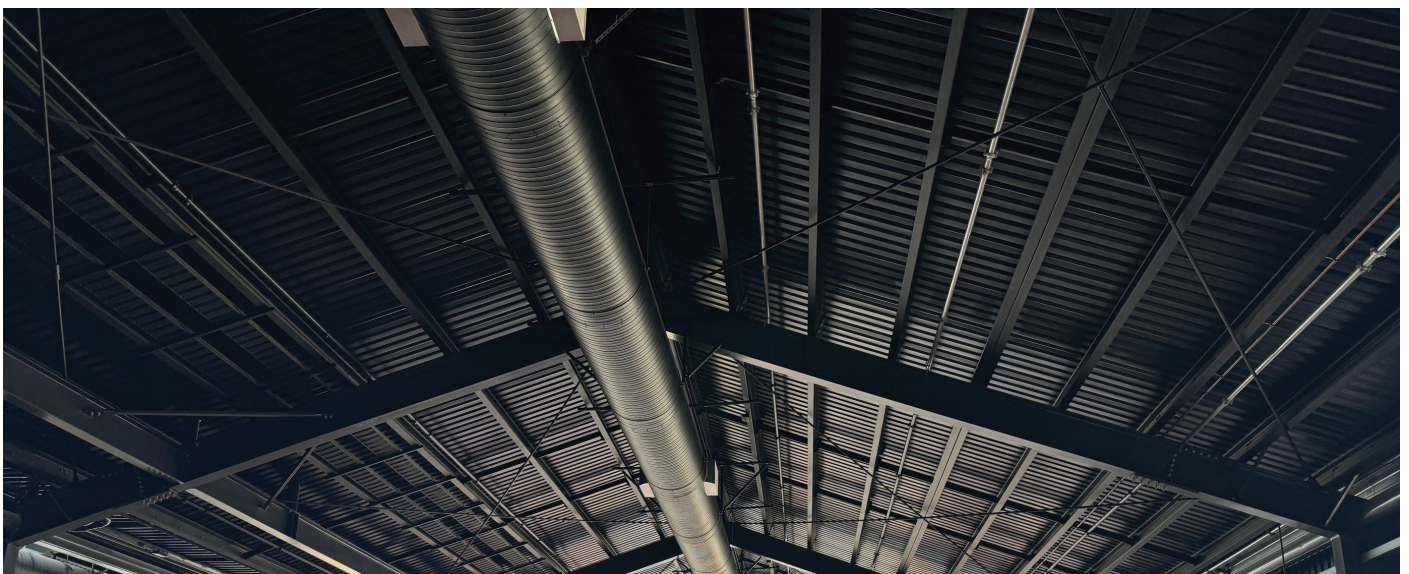
Timber Purlins	12- 11x40 Class 4 Type 17 Timbertites with neos
Steel Purlins up to 1.5 mm	12- 14x20 Class 4 Steeltites with neos
Steel Purlins 1.5 mm - 4.5 mm	12- 14x20 Steeltites with neos
Steel purlins 4.5 mm-12 mm	12- 24x32 Class 4 Steeltites, Series 500 with neos

INSTALLATION LIMITATION

It is important to establish compatibility of the LinerDeck with the purlin material or other structural elements that the LinerDeck may be installed over. If CCA (Copper Chrome Arsenic) timber is used for the purlins, install a separation strip of RL Butyl Lap Tape between the timber and RL LinerDeck.

Please contact RoofLogic if it is necessary to confirm material compatibility and / or refer to material compatibility matrix in NZ Metal Roofing code of practice.

The maximum unsupported overhang of the LinerDeck is 200 mm.

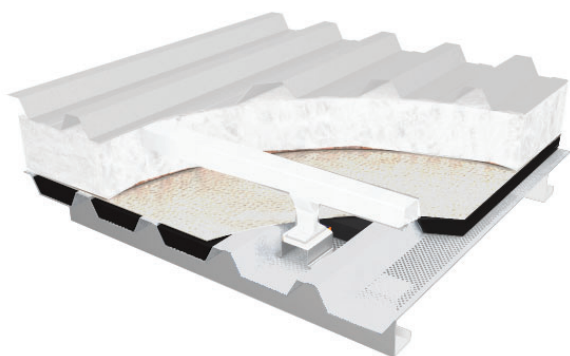


The underside of the RL LinerDeck exposed

RL PERFORATED LINERDECK

For FiberthermX Systems

RL Perforated LinerDeck has been designed and engineered to provide an acoustically absorbent steel liner for the subsequent installation of the RoofLogic FiberthermX roof system.



RL Perforated LinerDeck

DESCRIPTION

The RL Perforated LinerDeck is designed to be left exposed to the interior. When combined with acoustic infill in the perforated troughs, it greatly improves internal sound absorption and effectively controls Reverberation Time.

The Perforated LinerDeck serves as an aesthetically pleasing and robust internal ceiling lining offering high sound absorption performance with RL Acoustic infills (from 0.55NRC to NRC 0.75). As well as its acoustic benefits, the Perforated LinerDeck offers support for RL FiberthermX system components and effectively withstands the point loads encountered during installation.

BENEFITS

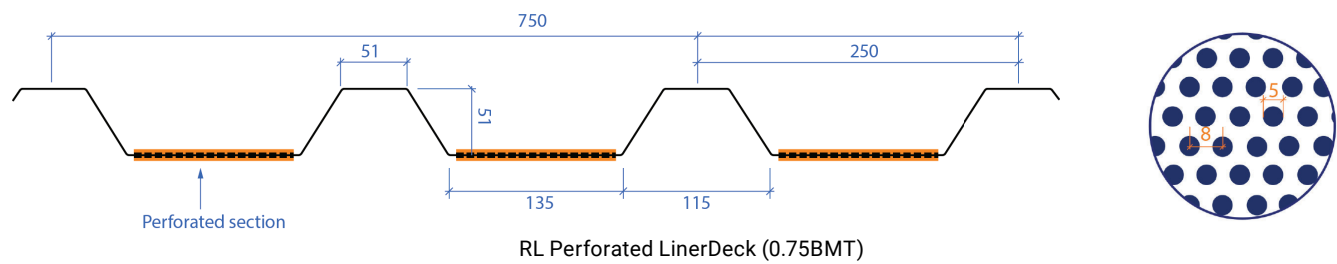
- Programme benefits : Installation of the RL Perforated LinerDeck with Vapour Control Layer provides early close-in of the building to protect the interior from weather.
- Health and Safety: RL Perforated LinerDeck provides a secure working platform for installers, minimising the risk of falls from heights post-installation. A continuous LinerDeck also protects tradespeople working within the building from the risk of falling objects.

- Intergrated roof and ceiling assembly: RL Perforated LinerDeck provides structure to support FiberthermX roof components and provides a prefinished robust internal acoustic lining.
- Impact proof: The RL Perforated LinerDeck can withstand knocks and impacts from balls when used in a gymnasium or sports center.
- Aesthetics: RL LinerDeck is left exposed to the interior, and can be provided in a range of colours. It serves as a pre-finished acoustic ceiling removing the need for a suspended ceiling.

MATERIAL AND FINISH

RL Perforated LinerDeck is a zinc/aluminium/magnesium coated trapezoidal profiled liner.

It is manufactured in two standard colours "off white" (RAL9002) and black (RAL 9005).



INSTALLATION

The RL Perforated LinerDeck can be installed over steel or timber purlins. The deck is to be secured at every purlin in every pan of the Perforated LinerDeck. The following fixings are to be used when fixing RL Perforated LinerDeck to purlins:

Timber Purlins	12- 11x40 Class 4 Type 17 Timbertites with neos
Steel Purlins up to 1.5 mm	12- 14x20 Class 4 Steeltites with neos
Steel Purlins 1.5 mm – 4.5 mm	12- 14x20 Steeltites with neos
Steel Purlins 4.5 mm-12 mm	12- 24x32 Class 4 Steeltites, Series 500 with neos

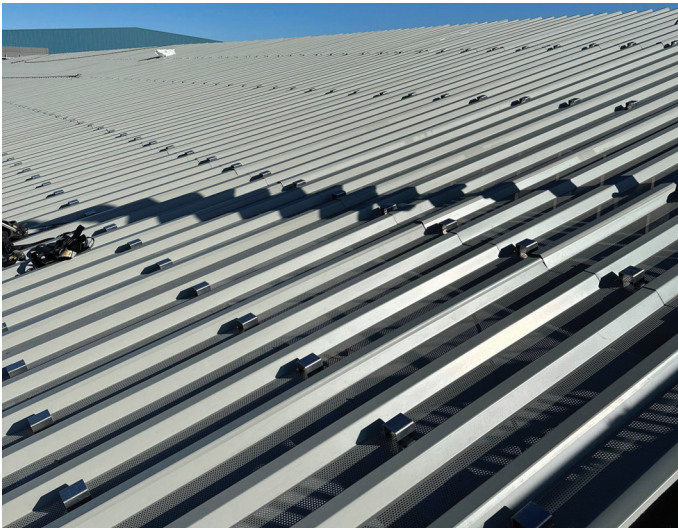
INSTALLATION LIMITATIONS

It is important to establish compatibility of the RL Perforated LinerDeck with the purlin material or other structural elements that the LinerDeck may be installed over. For example, if CCA treated timber is utilised a separation strip (eg RL Butyl Tape) must be installed between the timber and the Liner.

Please contact RoofLogic if it is necessary to confirm material compatibility and / or refer to material compatibility matrix in NZ Metal Roofing code of practice.

ACOUSTIC PERFORMANCE

RL Perforated LinerDeck and RL Acoustic Infills	
Noise Reduction Coefficient (NRC)	0.75
Sound Absorption Average (SAA)	0.79
Weighted Sound Absorption Coefficient	0.70 α_w



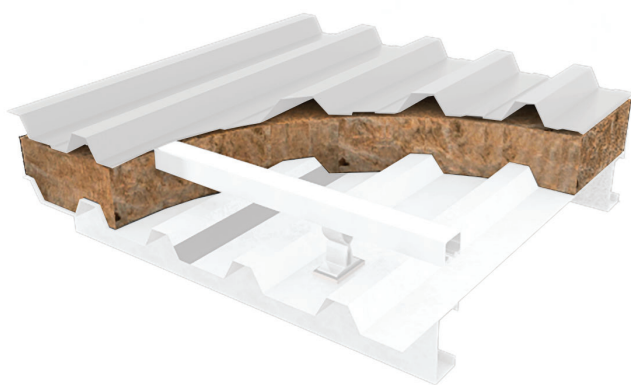
RL Perforated LinerDeck during installation



RL FIBERTHERM INSULATION

For FiberthermX Systems

RL Fibertherm insulation is a high-performing glass mineral wool insulation designed for use in the FiberthermX system



RL Fibertherm Insulation

DESCRIPTION

RL Fibertherm Insulation, manufactured by Knauf Insulation and supplied exclusively to RoofLogic in New Zealand, is designed for built-up metal roof assemblies. This siliconised, non-hygroscopic insulation retains loft and maintains thermal performance throughout the system's life.

Installed over the LinerDeck, it provides a continuous thermal insulation layer and is available in various thicknesses to meet NZBC Clause H1 requirements.

Additionally, RL Fibertherm Insulation enhances the acoustical properties of the FiberthermX systems, minimizing rain noise and sound transmission into the building. It is fully non-combustible and meets the requirements of AS/NZS1530.1.

BENEFITS

- **Thermal Performance:** Range of thermal performance from R 2.5 - R 7. When incorporated within a vapour controlled FiberthermX roof assembly, the product will retain loft.

- **Fire:** RL Fibertherm Insulation is non-combustible.
- **Acoustics:** RL Fibertherm Insulation acts as a sound absorbent lining within built-up metal roofs and when a perf. LinerDeck is used will help control the reverberation of internal sound.
- **Durability:** RL Fibertherm Insulation has a Service Life of at least 50 years.
- **Sustainability:** RL Fibertherm Insulation represents no known threat to the environment and comes with GreenTag Level A certification, Declare label and a certified Environmental Product Declaration. It is made using up to 80% recycled content, mainly bottles and jars. Advanced compression packaging reduces handling, storage and transport emissions as well as the amount of plastic film used.
- **Low VOC:** Contains a unique bio-based binder that contains no added phenol or formaldehyde and is 70% less energy-intensive to manufacture than traditional binders.

MATERIAL AND FINISH

RL Fibertherm Insulation is a glass mineral wool roll made up of approximately 95% glass, including recycled glass (external cullet, up to 80% of the composition) and other mineral raw materials including sand and dolomite. The remaining 5% consists of a bio-based resin binder and small quantities of performance-enhancing additives.

It is available in a range of thicknesses and densities, from 100 mm to 250 mm, providing thermal performance from R 2.5 to R 7. The insulation is manufactured at a width of 1200 mm for ease of installation.

THERMAL PROPERTIES-(R-VALUE)

R- Value	R 2.4	R 3.0	R 3.5	R 4.0	R 5.1	R 5.4	R 6.1	R 7.1
Type	100 mm (R 2.4)	120 mm (R 3.0)	150 mm (R 3.6)	105 mm - (R 2.6) 60 mm (R 1.6)	2x105 mm (R 2.6)	1 x 105 mm (R 2.6) 1 x 120 mm (R 3.0)	150 mm (R 3.6) 105 mm (R 2.6)	150 mm (R 4.5*) 105 mm (R 2.6)
Climate Zone			Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6

* Insulation with a density of 35kg/m³ to achieve improved thermal performance.

Note:

Contact RoofLogic for project-specific thermal calculations in relation to specific assemblies. System R-Values can differ from R-Value of insulation alone. When ceiling tiles or internal insulation are suspended below a warm roof system, the R-Value of this can be added to the R-Value of the roof system to achieve thermal performance.

Property	Result	Test
Water Vapour Absorption	Less than 5% by weight	ASTM C 1104
Corrosion Resistance	No more corrosive than sterile cotton	ASTM C 665
Microbial Growth	Does not support microbial growth	ASTM C 1338
Reaction To Fire Combustibility Fire Hazard Properties	Euroclass A1 Non-combustible Ignitability: 0, Spread of flame: 0, Heat Evolved: 0, Smoke Developed: 0-1.	BS EN 13501-1:2002 AS/NZS 1530.1 AS/NZS 1530.3

INSTALLATION LIMITATIONS

When high R-Value ceiling assemblies are incorporated in a design it is important to model the roof/ceiling system to ensure that condensation risk is managed.

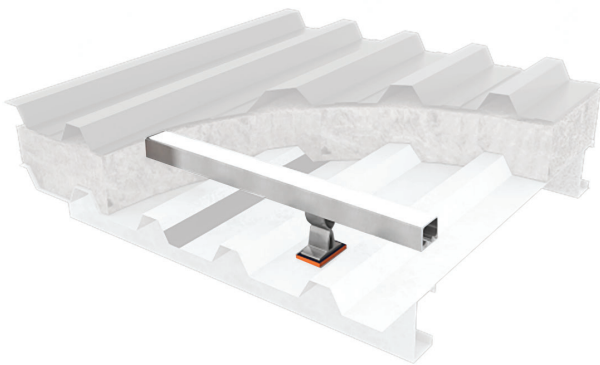
either be stored indoors, or under cover and off the ground and should not be left permanently exposed to the elements.

RL Fibertherm Insulation is supplied in recyclable polythene packs (4-LDPE) which are designed for short term protection only. For longer term protection on site, the product should

RL POST & RAIL

For FiberthermX Systems

The aluminium Post and Rail system forms a structural cavity between the external metal TopDeck and LinerDeck.



RL Post and Rail family

DESCRIPTION

The RL FiberthermX system utilises a structural Post and Rail assembly to allow for the installation of an external insulation layer. This design maximises the efficiency of the insulation, allowing it to be installed continuously within a vapour controlled structural cavity.

The FiberthermX system offers a range of Post and Rail heights to satisfy the requirements for all Climate Zones referenced in the NZBC Clause H1.

BENEFITS:

- **Durability:** Structural components are warranted for 50 years, with a service life exceeding this period in all exposure zones.
- **Thermal Performance:** Unique structural post design allows for an integrated thermal break and a discontinuous fixing path to minimise thermal bridging. A range of post heights meets all H1 thermal performance requirements for commercial roofs.

- **Exceptional Structural Performance:** RL Post and Rail assembly is designed in New Zealand to meet ULS and SLS wind and seismic performance requirements.
- **Versatility:** Accommodates a wide range of metal top skin profiles.

MATERIAL AND FINISH

The RL Post and Rail assembly is constructed from extruded aluminium to BS EN ISO 9001:2008 quality system and BS EN ISO 14001:2004 environmental management system. Consists of 3 mm thick rails and posts extrusions.

The structural posts incorporate a polypropylene/EPDM base plate that provides a thermal break and seal around post fixings.

INSTALLATION

The Structural Post and Rail assembly is installed over the RL LinerDeck in line with the primary purlin structure. Post set-out and fixings must meet project-specific structural design requirements (eg. Wind load, trafficability, snow loads).

Check project-specific structural design for details.

THERMAL PROPERTIES-(R-VALUE)

Post Height	100 mm	120 mm	150 mm	165 mm	200 mm	220 mm	250 mm	250 mm
R- Value	R 2.4	R 3.0	R 3.5	R 4.0	R 5.1	R 5.4	R 6.1	R 7.1*
Climate Zone			Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6

* Insulation with a density of 35kg/m³ to achieve improved thermal performance.

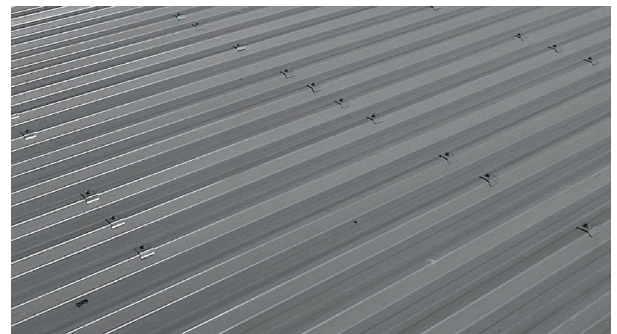
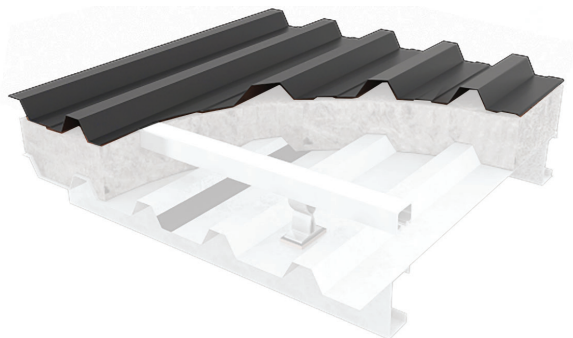


RL LinerDeck with Post & Rails during installation



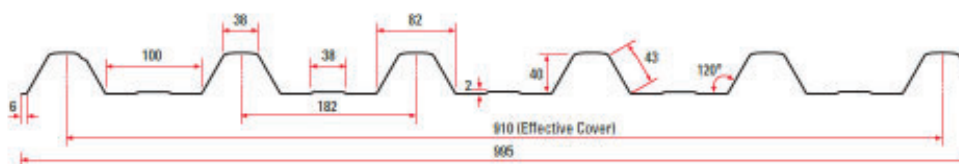
RL TOPDECK T

For RL FiberthermX Systems

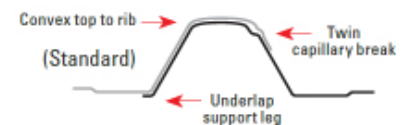


RL TopDeck T

Manufactured in: All of New Zealand



Topdeck-T Profile dimensions



Topdeck-T Lap detail

DESCRIPTION

RL TopDeck T, is a 5-rib trapezoidal profile roofing with 910 mm effective cover. It requires a minimum roof pitch of 3°. The RL TopDeck T is the most common TopDeck choice for the RL FiberthermX system.

BENEFITS

- Top skin in-service performance of over 40 years, can be replaced without replacing the complete system.
- Suitable for all New Zealand corrosion zones

MATERIAL AND FINISH

Material options include pre-finished hot-dipped aluminium/ zinc-coated steel, which consists of a formability steel sheet (G550 for roll forming or G300 for flashings) coated to AS 1397. It has a thickness of 0.55 mm BMT and is supplied with the Colorcote ZinaCore™, Colorsteel Endura coating system or Colorcote MagnaFlow™ coating system.

It is also available pre-finished aluminium alloy series 5000, available in temper H36 for roll forming or H34 for flashings, with a thickness of 0.90 mm BMT. This material features the Colorcote AlumiGard™ coating system.

For buildings outside the scope of E2/AS1 or with specific design requirements, the roofing and cladding must be suitable for the design, and vice versa.

MINIMUM PITCH

The minimum roof pitch for RL Topdeck T is 3 degrees (approx 1:20).

When a combination of sheets provide a run of in excess of 40 m and up to 60 m the roof pitch should be increased by 1 degree. Longer lengths require specific design.

When rainfall intensity exceeds 100 mm/hour the minimum pitches need to be increased by a further 1 degree for every 10 m of run over 40 m.

The building design pitch may need to be higher to take into account any cumulative deflections of the frame, purlin and roof sheeting or penetrations.

With curved roofing the roof cladding must not terminate at a pitch lower than permitted above.

Side laps of curved sheets must be sealed to any areas below the minimum pitches permitted above.

SNOW LOADS

When snowfall is a possibility, it is important to consider the additional snow loads by strengthening the structure or minimising snow accumulation. This can typically be achieved by increasing the roof pitch to facilitate easier snow shedding, as determined by the designer.

The objective is to simplify loading patterns while maintaining an appropriate level of caution. Design loads should consider drifting snow caused by wind, but it is not necessary to combine wind loads with snow loads.

(As snow loads are uniformly distributed loads they are similar to wind loads.)

In the North Island of New Zealand, specifically north of a line drawn from Opotiki to Turangi and New Plymouth, snow loads do not need to be accounted for. However, in other areas, the consideration of snow loads may be necessary, depending on the location and altitude of the project. For more detailed information, including a map and chart, please refer to Section 3.5 of the NZ Metal Roofing Roof and Wall Cladding Code of Practice.

PRIMARY FIXING METHODS

A - Fixed every purlin, every rib with approved screws, load spreading profiled metal washers and EPDM washers.



B - Fixed every purlin with the same pattern, (hit-miss-hit-hit-miss-hit) with approved screws and neos, load spreading profiled metal washers and EPDM washers. End purlins and periphery of roof to be fixed every rib.



PRIMARY FIXING CHART

Steel Based Material	12-14x75 Class 5 Steeltaks with neos with load spreading washer and 36 mm EPDM gasket
Aluminium Based Material	Stainless steel grade 304, 14-14x70 Steeltaks and bonded washer through a 10 mm diameter clearance hole with load spreading Ali washer & 36 mm EPDM gasket

Secondary Fasteners:

(To be used in accordance with the NZ Metal Roof and Wall Cladding Code of Practice.)

These should be:

- Aluminium Blind Rivets AS 6-3 x 4.8 mm minimum (Commercial)

- Aluminium Bulb-tite Rivets
- 12-11x35 Alutites
- 12-11x25 Class 5 Type 17 Timbertites (Steel based material only)

WEIGHTS

Steel (0.55 mm)	5.48 kg/lm
Alum (0.90 mm)	3.07 kg/lm

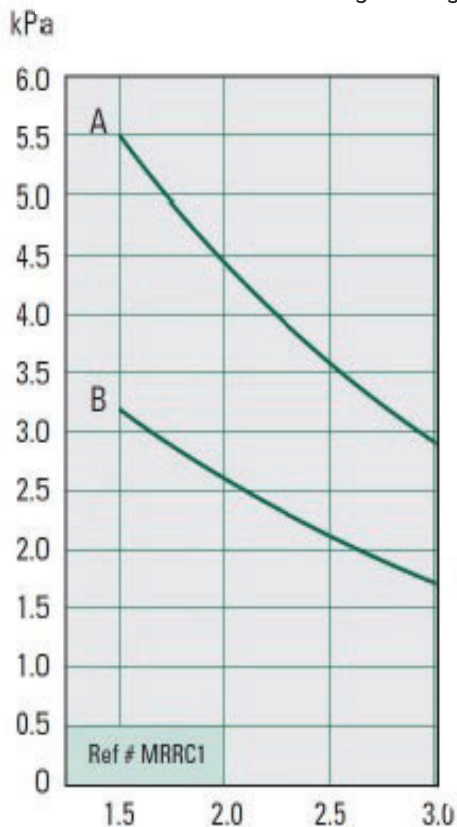
UNSUPPORTED OVERHANG

Steel (0.55 mm)	350 mm
Alum (0.90 mm)	300 mm

WIND & CONCENTRATED LOAD SPAN DESIGN GRAPH

Steel Based Material

— 0.55 Steel G550 - High strength



•Intermediate span in metres.

•A and B represent alternative primary fixing methods

1) The solid line represents where walking is permitted within 300 mm of the purlin line or in the pan of the profile. Therefore for a normal roof, providing wind load requirements are met, purlin spans are limited to:

3) Use of RL LinerDeck Standard (0.55BMT) allows purlin spacing to a maximum of 2.60 m.

For Type A “Unrestricted Access” Classification, refer to Purlin Spacing Limitations and Recommendations.

Classification types are from the NZ Metal Roof and Wall Cladding Code of Practice.

Testing confirms that .90 mm Aluminium has similar results to .55 mm Steel and is adjusted for practical application. Aluminium requires load spreading profile washers and EPDMs at all times.

The loadings indicated in RoofLogic graphs reflect testing to a conservative serviceability limit state, surpassing the ultimate limit state quoted by some manufacturers. Our Design Graphs assist designers in selecting appropriate products and purlin spacings. In most roof installations, purlin spacings are limited by the trafficable limitations of the RL LinerDeck used as a trafficable deck for roof system installation. Design wind loads for roofing and cladding should be calculated in accordance with AS/NZS 1170.2:2011 and/or NZS 3604:2011, as applicable.

Purlin spacings should be restricted to the lower value between trafficable limitations and design wind load, with the structure’s capacity exceeding the design load for the application. However, for non-walkable roofs, exceeding trafficable limitations may be permissible if the design wind loading criteria are met. This should be done cautiously and may require additional secondary fasteners within the laps.

For roofs subjected to heavy foot traffic, snow loads, or mechanical plant support, purlin spacing should be reduced accordingly. Additionally, limitations on purlin spacings for translucent sheeting should be taken into account.

WIND & CONCENTRATED LOAD SPAN DESIGN SUMMARY CHART FOR ROOFING SPANS IN STEEL & ALUMINIUM

Incorporating Wind and Concentrated Load Span Design, Primary Fixing Methods and Foot Traffic

0.55 BMT Steel and 0.9 BMT Aluminium- Wind Design Loadings- kPa								
Post and Rail Spacing (m)		Fixing Method A			Fixing Method B			Foot Traffic
Intermediate	End	Int.	End	Int (P)	Int.	End	Int (P)	
1.2	0.8	6.0	6.0	6.0	3.5	3.5	6.0	Unrestricted
1.5	1.0	5.5	6.0	5.5	3.2	3.2	5.5	
1.75	1.17	4.9	5.9	4.9	2.8	2.8	4.9	
2.00	1.33	4.4	5.7	4.4	2.6	2.6	4.4	
2.25	1.5	4.0	5.5	4.0	2.3	2.3	4.0	
2.4	1.6	3.6	5.3	3.6	2.15	2.15	3.6	

Int (P) = Intermediate Periphery Loadings other than end spans (eg gable ends)



ROOF EXPANSION PROVISIONS

Fix with recommended fasteners and systems from the Primary Fixing Chart and additionally allow for the following where applicable.

Steel Base Material				
NZ Metal Roof and Wall Cladding Code of Practice Compliance				
Sheet Lengths	Up to 15 m	>15-18 m	>18-25 m	>25-30 m
Zinc aluminium and light colours	No special provision.		Solid fix from the ridge down 12 metres and oversize holes should be used for the remainder of the sheet with approved load spreading profile washers, and a 36 mm EPDM	Solid fix the middle third of the roof and over-size holes should be used for the remainder of the sheet.
Dark Colours	No special provision.	Solid fix from the ridge down 12 metres and oversize holes should be used for the remainder of the sheet with approved load spreading profile washers, and a 36 mm EPDM washer.		Not recommended

Aluminium				
Sheet Lengths	Up to 1 0 m	10-12 m	12-15 m	>15 m
Plain Aluminium & lighter colours in favourable Installations (Refer NZMRM C.O.P. Section 4.1.6)	Fix using oversize holes with screws and approved load spreading profile Ali washers, and 36 mm EPDM washers			Not recommended
Dark Coloured Aluminium in favourable Installations (Refer NZMRM C.O.P. Section 4.1.6)	Fix using oversize holes with screws and approved load spreading profile Ali washers, and 36 mm EPDM washers		Not recommended	
Plain Aluminium & lighter colours in unfavourable Installations (Refer NZMRM C.O.P. Section 4.1.6)	Fix using oversize holes with screws and approved load spreading profile Ali washers, and 30 mm EPDM washers		Not recommended	
Dark Coloured Aluminium in Unfavourable Installations (Refer NZMRM C.O.P. Section 4.1.6)	Fix using oversize holes with screws and approved load spreading profile Ali washers, and 30 mm EPDM washers.	Not recommended		

For sheet lengths in excess of the above a step joint or other special provision for expansion is required. Refer to RoofLogic. When using load spreading profile washers or 25 mm Aluminium embossed washers for roofing fix ridging, roof flashings etc. using a 25 mm Aluminium embossed washer and appropriate screw.

Oversize holes should be 3 mm greater diameter than the screw or as per the Primary Fixing Chart for stainless steel

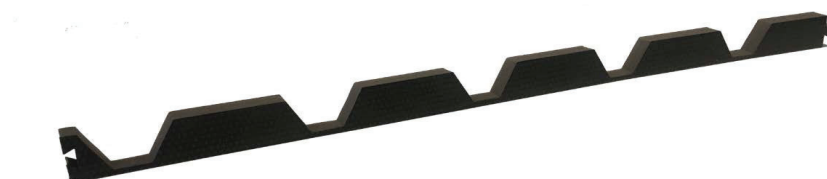
screws. For further information on the fixing of Topdeck T refer to E2/AS1 of the NZ Building Code and NZ Metal Roof and Wall Cladding Code of Practice, www.metalroofing.org.nz. These publications along with the foregoing technical data should form the basis of the design and installation of metal roofing and cladding.

Also refer to RoofLogic detail drawings, and to NZ Steel Ltd and Pacific Coilcoaters literature.

RL CLOSURE FOAM

For FiberthermX Systems

Closes off the LinerDeck against the Purlin



Wide Tip Closure Foam Profile



Narrow Tip Closure Foam Profile

DESCRIPTION

The RL Closure Foam is a cross-linked polyethylene foam which provides airtightness and insulation when closing off the LinerDeck against the purlins and other conditions where airtightness of the LinerDeck is required.

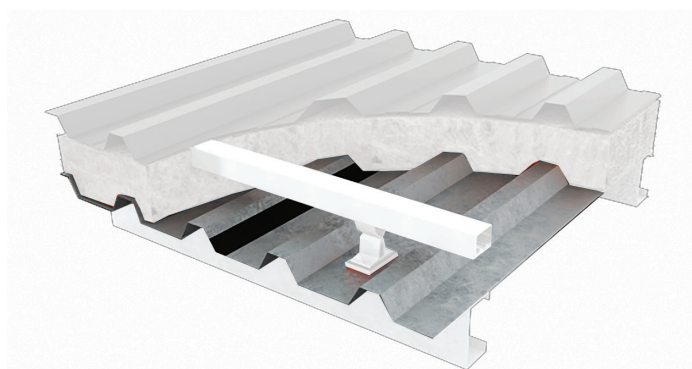
Supplied to suit RL LinerDeck (Trapezoidal profile), in wide tip and narrow tip. 910 mm cover, order per LM.

Property	Value
Nominal Density-Skin/Skin (BS ISO 7214 1998):	24 kg/m ³
Compression Stress-Strain (BS ISO 7214 1998)	10% compression: 34 kPa 25% compression: 53 kPa 40% compression: 85 kPa 50% compression: 118 kPa
Compression Set: 25% comp, 22hr, 23° C	1/2 hr recovery (25 mm cell-cell): 27% set 24 hr recovery (25 mm cell-cell): 19% set
Tensile Strength (ISO 7214 1998):	320 kPa
Tear Strength (BS EN ISO 8067 1995):	495 N/m
Shore Hardness 00 Scale, 10 mm cell/cell thickness (ISO 868 1985):	50 00
Recommended Operating Temp. Range:	+100° C/-70° C
Thermal Conductivity – Mean Temp of 10° C (ISO 8302 1991):	0.0392 W/m.K
Flammability – Horizontal Burn Rate (ISO 7214 1998):	5 mm thick, 2.1 mm/sec and 13 mm thick, 1.5 mm/sec
Durometer (50):	Shore 00

RL BUTYL LAP TAPE

For FiberthermX Systems

Extruded butyl tape laminated with a fixed foil backing.



RL Butyl Lap Tape

DESCRIPTION

RL Butyl Lap Tape is an aluminium foil faced vapour control tape incorporating a butyl adhesive backing, offering exceptional strength and tear resistance.

RL Butyl Tape features low moisture vapour transmission and a high-tack adhesive for instant, airtight sealing of lap joints. As part of the FiberthermX system, this allows the LinerDeck to function as an effective vapour control layer.

BENEFITS

- Butyl Tape LinerDeck contributes to vapour control, mitigating condensation risk and improving airtightness within buildings
- Easy to install; bonds instantly and permanently to all metallic substrates
- Can be installed at low temperatures (>5°)
- Does not require primers or adhesion promoters.

MATERIAL AND FINISH

RL Butyl Lap Tape is an aluminium laminated film with high strength, tear resistance, and adhesion. It maintains performance in cold conditions and its unique high-tack adhesive prevents air leakage through lap joints.

This product is supplied as a self-wound reel and is available in 1 mm thickness, 50 mm, and 150 mm widths, with a length of 15m. Tolerances (Thickness: $\pm 10\%$ Width: ± 2 mm).

INSTALLATION

Install RL Butyl Lap Tape to seal LinerDeck side-lap joints in the RL FiberthermX system.

Surface preparation: All surfaces should be clean, dry and free from frost, grease and loose materials. When cleaning contaminated substrates, RoofLogic recommends that

Isopropyl Alcohol (IPA) is used and allowed to dry prior to the application of the butyl tape.

Apply directly from the reel onto the surface and press sufficiently along its whole length to achieve good adhesion.

TECHNICAL DATA

Characteristics	Unit	Nominal value	Test Method
Dynamic Shear Adhesion	N/cm ²	10	H15
90° Peel Adhesion	N/cm	9	H48
180° Peel Adhesion	N/cm	10	H41
Specific Gravity	g/cm ³	1.6	H6
Service Temperature Range	°C	-40 to +90	



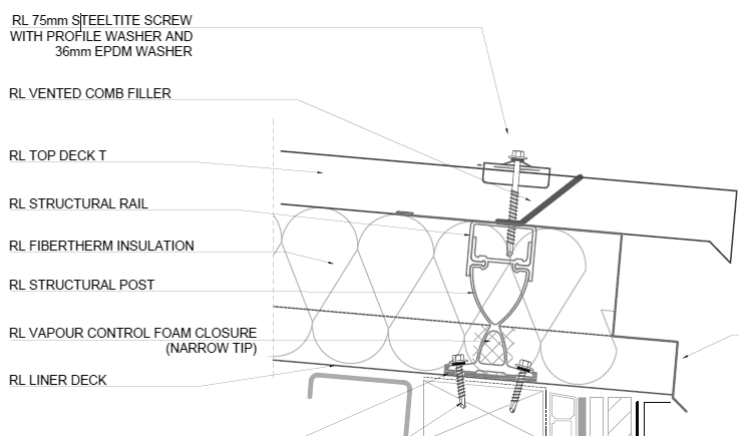
RL VENTED COMB FILLER

For FiberthermX Roofing Systems

Prevents entry of birds and nesting insects



RL Vented Comb Filler



RL Vented Comb Filler indicative detail on RL FiberthermX

DESCRIPTION

Crafted with flexible fingers, the RL Vented Comb Filler is designed to adapt and fill the gaps commonly encountered when using steel roof cladding. It serves as an effective barrier to prevent the entry of birds and larger insects beneath the metal. By closing off these gaps, the RL Vented Comb Filler gives enhanced protection.

BENEFITS

- The RL Vented Comb Filler delivers reliable protection against birds and nesting insects. It presents a cost-effective alternative to purpose-made profiled fillers.
- Conveniently designed in 1-meter lengths, the RL Vented Comb Filler ensures easy installation. Its straightforward installation process enables quick and efficient securing, creating a seamless barrier.

MATERIAL AND FINISH

Manufactured through injection molding using Polypropylene material, the RL Vented Comb Filler is available in black. The comb features a 4 mm grille for ventilation.

It is supplied in lengths of 1000 mm.

Colour	Black
Length	1000 mm
Vent Size	4 mm grille
Packing	Sold per Lm