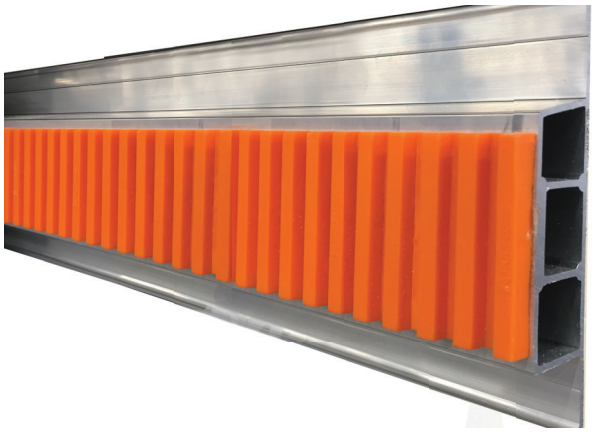
ROOFLOGIC
INTELLIGENT ROOFING SOLUTIONS

TECHNICAL DATASHEET

RL RHOM RAIL

Creates cavity between the insulation layer and the vertical cladding

A durable aluminium rail for façade performance



Rhom Rail with VTB strip

DESCRIPTION

The RL Rhom Rail (available as Rhom Rail and Rhom Rail Lite) is a structural batten that is installed to form a cavity between the insulation layer and the vertical metal cladding. The depth of the RL Rhom Rail is 20 mm.

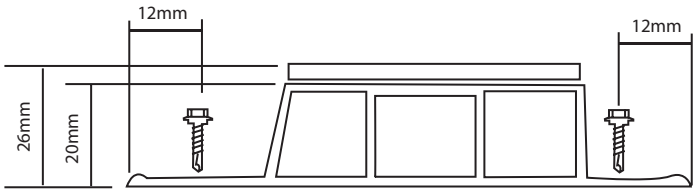
The RL Rhom Rail is designed as a structural batten to allow the metal cladding system to be attached to the rail. The RL Rhom Rail is manufactured from aluminium alloy (6063 T5.) There is an option for it to be anodised in systems where the façade is vapour-open.

The RL Rhom Rail has been designed to go over insulation with a 10% compression strength > 120kPa.

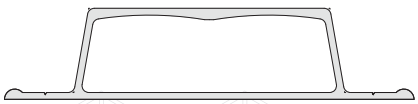
The RL Rhom Rail incorporates a polypropylene front VTB Strip which provides cross-flow ventilation within the cavity. The VTB strip also provides a thermal break and separation between dissimilar materials where required. When the VTB strip is installed to the outer face of the RL Rhom Rail the effective cavity depth created is 26 mm.

The RL Rhom Rail is to be used as a component within a properly designed RoofLogic cladding system. Consult RoofLogic in respect to design and project considerations.

RL Rhom Rail is designed to be installed over RoofLogic rigid insulation products, (RL PIR Board). PIR board provides the required level of compressive strength to ensure the performance of the rail. Contact RoofLogic where RL Rhom Rail is to be used over alternative substrates and insulation products.



Rhom Rail



Rhom Rail Lite

Technical Data - RL RHOM RAIL		
Width (mm)	110 mm (Rhom Rail) 98 mm (Rhom Rail LT)	
Overall Depth (mm)	26 mm including VTB	
Length (mm)	4800 mm	
Loadings		
(ULS)	Edge	Main Body
Positive	2.0kPa	
Negative	2.5kPa	1.3kPa
Spacings		
	Edge of Building	Main Body of Building
Between rails	1200 mm	1200 mm
Between fixings	300 mm	600 mm
Fixings into studs:		
Steel 1.6BMTT, G450, Z275 Base Material	Konnect Steeltite hex head with bonded washer. Grade 304 stainless steel ST14-1490G304HSDWS	
Timber F5 Radiata Pine- Embeddment 36 mm	Konnect Steeltite hex head with seal. Grade 316 Stainless Steel TT14-10x100G316T17N or Class 5	
Cladding Weight		
Light weight cladding <30kg/m^2		
Technical Data - VTB Strip		
Material	Flame retardant type Polypropylene	
Ventilation	2500 mm^2/m	
InFlammability	Meets Class V-0 of UL94	

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