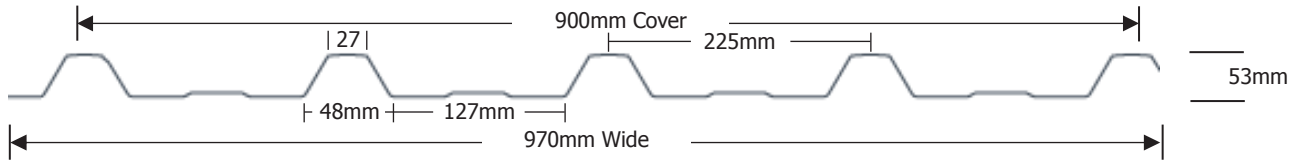


HI-LINE



PIONEER BRAND HI-LINE is available custom cut to any length up to and including 20 metres. Longer lengths are available by arrangement with the manufacturer and subject to the availability of suitable transport.

FIXING

PIONEER BRAND HI-LINE can be fixed by a roofing specialist, builder or plumber. For maximum strength, spiral shanked or annularly grooved fasteners are to be fixed at every rib at every Purlin. Fastener length must be a minimum of 80mm for steel and a minimum of 100mm for fixing to timber.

A recommend fixing pattern is detailed below.

End Purlins



Intermediate Purlins



Further fixing patterns are available from the manufacturer.

RECOMMEND PITCH

Table: Roof Length v Slope

Roof Length	Minimum Slope
Up to 40m	3°

DIMENSIONS

Hi-Line has been designed, tested and analysed in accordance with NZ Metal Roofing manufacturers code of practice. All dimensions supplied are nominal.

Table: Maximum Spans – Limited Access

Strength	BMT (mm)	End Spans (metres)		Intermediate Spans (metres)	
		Roof	Walls	Roof	Walls
High	.40	2.100	2.100	2.900	2.900
Medium	.55	2.550	2.550	3.600	3.600

Subject to building design

Table: Number of Sheets v Coverage

Number of Sheets	Coverage (metres)
1	.900
2	1.800
3	2.700
4	3.600
5	4.500
6	5.400
7	6.300
8	7.200
9	8.100
10	9.000

TECHNICAL INFORMATION

FEATURES

STANDARDS

NZS3403:
Hot-dip Galvanised Steel Sheet for Building Purposes.
AS/NZS1397:
Steel Sheet and Strip Hot-dipped Zinc Coated or Aluminium/Zinc Coated.
AS/NZS2728:
Prefinished/Painted sheet metal producers performance requirements.
AS1562.1:
Design and installation of sheet roof and wall cladding metal.
AS4040:
Methods of testing sheet roof and wall cladding.

HANDLING CHARACTERISTICS

Inspect deliveries on arrival. If moisture is present, individual sheets should be dried with a clean cloth and then stacked to allow air to circulate. Sheets should be stored off the ground under ventilated cover. Cross-stack or fillet sheets where outside storage is unavoidable. Sheets should be lifted into position on the roof wherever possible and not dragged or slide over rough surfaces or other sheets. Flat soled rubber footwear must be worn when walking on the roof. Roof and gutters must be swept clear of all construction debris on completion of fixing.

OTHER PRODUCTS

Marshall Industries also offer a range of accessories and fasteners as well as downpipes, roof lighting, weatherboards and other cladding profiles.

FURTHER INFORMATION

For additional advice and technical information contact your local branch.

SUPPLY SERVICE

PIONEER BRAND HI-LINE is available from the manufacturer.

CONSTRUCTION CHARACTERISTICS

FASTENERS

Fasteners must comply with AS3566 Class 5 and have a durability compatible with the roof materials otherwise staining or early failure may occur. The use of Cadmium or Zinc plated screws without additional protection is not recommended.

MATERIAL SPECIFICATION:

Material	BMT (mm)	Yield Stress
Aluzinc	.40	G550
Aluzinc	.55	G550/G300
Prefinished	.40	G550
Prefinished	.55	G550/G300

HI-LINE MATERIAL MANUFACTURE

ALUMINIUM/ZINC COATED

Manufactured from Hot-dipped Zinc (45%) and Aluminium (55%) alloy coated steel. Standard AS1397.

PREFINISHED

Prefinished materials are manufactured under strictly controlled conditions to provide optimal corrosion protection and very good resistance to fading. Prefinished coatings are highly decorative and generally exceed the life of traditional post-painted systems. There are several type of paint systems specifically designed for the variety of moderate, severe, very sever and special conditions found throughout New Zealand. Selection of the suitable system is important, as are installation and maintenance procedures. Reference should be made to the environmental categories guide and technical brochures, or contact your local Marshall Industries branch for sales and technical assistance.

DISCLAIMER

The information provided in this publication to the best of our knowledge is correct at the time of publication. The information is not a guarantee of performance or suitability for a particular application. We are happy to provide advice on specific applications. Marshall Industries Ltd reserve the right to alter and revise published information without notice.

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