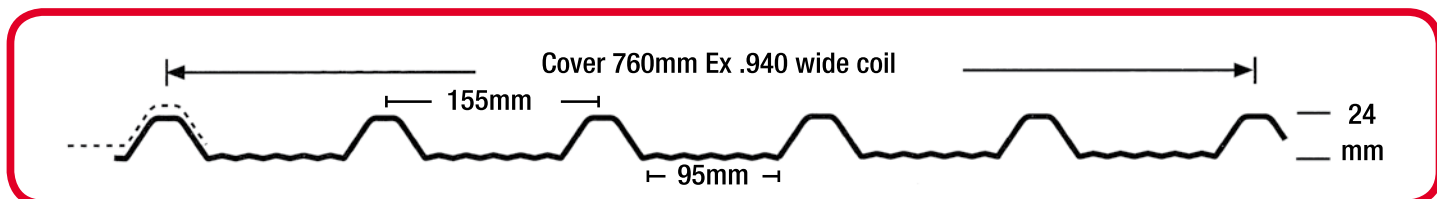




# Marshall Industries Ltd

*"Best in the Long Run"*

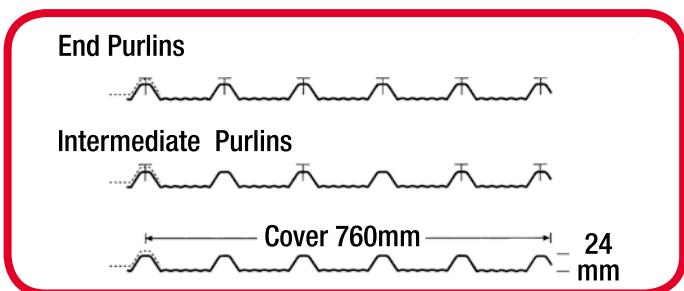
# SIX-LINE



## FIXING:

PIONEER BRAND Six-Line can be fixed by a plumber, builder or roofing specialist. For maximum strength, spiral shanked or annularly grooved fasteners are recommended.

A recommended fixing pattern is detailed below. Further fixing patterns are available from the manufacturer.



## DIMENSIONS

## DESIGN DATA:

Six-Line has been designed, tested and analysed in accordance with the NZ Metal Roofing manufacturers code of practice.

**Table: Maximum Spans**

Strength	B.M.T (mm)	End Spans (metres)		Intermediate Spans (metres)	
		Roof	Walls	Roof	Walls
High	.40	950	1.800	1.600	2.000

## DIMENSIONS:

PIONEER BRAND Six-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.

**Table: Width of Cover**

Number of Sheets	Width of cover (metres)
1	.830
2	1.590
3	2.350
4	3.110
5	3.870
6	4.630
7	5.390
8	6.150
9	6.910
10	7.670

## RECOMMENDED PITCH

**Table: Slope vs Roof Length**

Roof Length	Minimum Slope
Up to 18m	4°
Over 18m	6°



Member of



**For further information visit our website [www.marshalls.co.nz](http://www.marshalls.co.nz)**  
**Marshall Industries Ltd, 189 Bond Street, PO Box 846, Invercargill. Phone 03-218 2579 Fax 03-214 9168**



# Marshall Industries

**"Best in the Long Run"**

## SIX - LINE

TECHNICAL INFORMATION

### FEATURES

#### STANDARDS:

##### **NZS3403:**

Hot-dip Galvanised Corrugated 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:**

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 slid over rough surfaces or other sheets. Flat soled rubber footwear must be worn when walking on the roof. Roofs 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: Marshall Industries Limited.

#### SUPPLY, SERVICE:

PIONEER BRAND Six-Line is available from the manufacturer and selected Builders' Suppliers and Plumbers' Merchants.

### CONSTRUCTION CHARACTERISTICS

#### FASTENERS:

Fasteners must comply with AS3566 Class 4 and have a durability compatible with the roof material else staining or early failure may occur.

The use of cadmium or zinc plated screws without additional protection is not recommended.

#### MATERIAL SPECIFICATION:

Material	B.M.T	Yield Stress
Aluminium/Zinc	.40	G550
Aluminium/Zinc	.55	G550/G300
Prefinished	.40	G550
Prefinished	.55	G550/G300

### MATERIAL MANUFACTURE

#### ALUMINIUM/ZINC COATED:

##### **Marshall Six-Line**

Manufactured from Hot-dipped, 45% Zinc, 55% Aluminium alloy coated steel. Standard AS1397:

#### PREFINISHED:

Prefinished is 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 types of paint systems specifically designed for the variety of moderate, severe, very severe 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 Marshalls sales and technical office for assistance.

#### DISCLAIMER:

The information provided in this publication to the best of our knowledge is correct at 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 the published information without notice.

*Especially suited for the New Zealand environment.*

*Six-Line is the answer to your requirements for modern style, low or high pitch buildings providing strength and beauty in a lightweight roofing.*