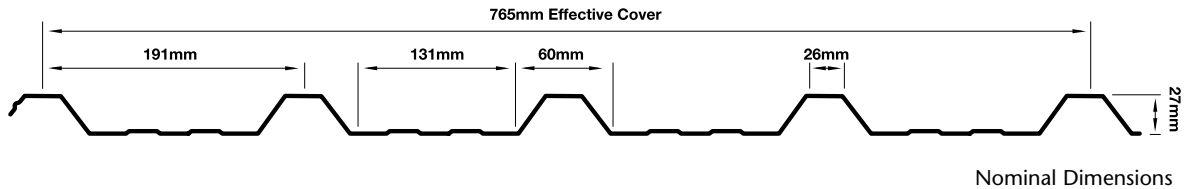


# PLUMBDEK



## Applications



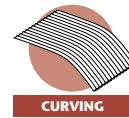
Residential  
Roofing &  
Cladding

RESIDENTIAL



Industrial/  
Commercial  
Roofing &  
Cladding

INDUSTRIAL



Curving

CURVING

## Introduction

Plumbdek is a low rib, five-ribbed trapezoidal product offering great looks, economy and exceptional performance.

## Features

Plumbdek is the most material-effective product in its class, yet its performance equals that of other low rib trapezoidal profiles.

## Options

Plumbdek can be crimp curved to radii of 400 mm and greater. Clear sheeting is available in profiled G.R.P. (fibreglass) to match.

## Materials

Available in metallic coated and pre-painted steel in .40 and .55mm B.M.T. (base metal thickness), aluminium plain and pre-painted in .70 and .90mm, and other non-ferrous metals.

## Fasteners

Typically: Steelfix 12g x 55mm, Timberfix 12g x 65mm, Class 4 minimum, of material compatible with that being fastened and durability no less than the sheet material. Provision for thermal expansion should be considered for lengths in excess of 12 metres.

## Durability

All material selections must be compatible with prevailing environmental conditions and adjacent materials, see Product Guide or Specifiers Guide for details. Areas not exposed to rain washing will require programmed maintenance.

## Warranty *Plus*

Steel & Tube Warranty *Plus* is the most comprehensive warranty available in the industry. Warranty *Plus* covers an extended range of performance criteria, is supported back-to-back by our suppliers, includes site-specific maintenance requirements and is transferable to subsequent owners.

## Sectional Properties

# PLUMBDEK

Measure	Mass	Area	I	Z Top	Z Bottom	Y (centroid)
Unit	kg/m <sup>2</sup>	mm <sup>2</sup>	mm <sup>4</sup>	mm <sup>3</sup>	mm <sup>3</sup>	mm
.40mm B.M.T.	4.04	467	50447	2818	5544	9.1
.55mm B.M.T.	5.48	642	69418	3878	7628	9.1

**Notes:** 1. Properties are for 1 metre width of cladding 2. Values are nominal only 3. Yield strength is 550 Mpa typical.

## Performance Data

Maximum spans for normal and heavy traffic in millimetres. Distributed Loads in kPa at Maximum Spans using 4 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

Gauge	Controlled Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	1600	4.37 st	1300	5.58 st
		1.82 sv		2.37 sv
.55mm	2400	4.41 st	1900	4.77 st
		1.75 sv		1.91 sv

Gauge	Heavy Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	1100	7.16 st	800	8.15 st
		3.08 sv		3.94 st
.55mm	1800	6.08 st	1400	6.75 st
		3.31 sv		3.28 sv

st = Limit State Strength Load. sv = Limit State Serviceability Load.

## Minimum Pitch

In accordance with Acceptable Solution E2, the minimum pitch for Plumbdek for roofing dwellings is 3°. Lesser-pitched designs are subject to Specific Design criteria. Roof runs in excess of 30 metres should be checked for water runoff capacity.

## Foot Traffic

Foot Traffic up the roof must take place in the pan of the profile, or over purlin lines. Traffic across the roof must take place along purlin lines.

## Installers

A list of Approved Installers for your area and contract type is available from your local Steel & Tube Roofing Products' sales office.

## Specifications

Recommended specifications are available in the branded sections of MasterSpec® BASIC or MasterSpec® STANDARD, or from your local Steel & Tube Roofing Products sales office.

## Design Details

Design details covering many applications are available in CAD or hard copy.

## Important

For your installation to perform to its potential, it is essential that it is designed, installed and maintained in accordance with good trade practice. Please refer to:

- *Steel & Tube Roofing Products: Product Guide*
- *New Zealand Steel: Installation Guide*
- *New Zealand Steel: Builders and Specifiers Guide*
- *BRANZ: Good Profiled Metal Roofing Practice*

**Technical Helpline: 0800 333 247 Website: [www.stroofing.co.nz](http://www.stroofing.co.nz) Email: [info@stroofing.co.nz](mailto:info@stroofing.co.nz)**  
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