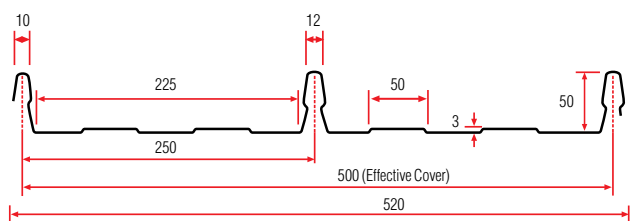




## MULTIDEK®



### Description

**Multidek® 500 is a strong, bold roofing and wall cladding profile which is attached to roof supports using a concealed clip fastening system, ultimately eliminating water leakage concerns at fastening points.**

Incorporating a 50mm rib height with wide flutes, Multidek® provides excellent water carrying capacity, and is particularly suited in areas where high density rainfall could be expected. As a relatively wide 500mm profile, installation cost savings can be expected over other similar profiles.

Manufactured from high strength material and supplied in a wide range of substrates and surface finishes, Multidek® lends itself to most types of projects whether commercial, industrial or residential.



Multidek® hidden fixing clip.

# MULTIDEK®

## Applications

- Residential roofing and cladding
- Industrial and commercial roofing and cladding
- Rural and lifestyle roofing and cladding
- Dairy sheds
- Canopies
- Carparks and fencing

- Galvanised Steel: 0.48 or 0.55mm BMT, Z450 (450gm/m<sup>2</sup>) G550 Mpa Yield Stress
- Pre-painted **COLORCOTE®** or **COLORSTEEL** over Zincalume® 0.48 or 0.55mm BMT, AZ150 (150gm/m<sup>2</sup>), G550 Mpa Yield Stress
- Prepainted **COLORCOTE®** or **COLORSTEEL** over Galvanised Steel: 0.48 or 0.55mm BMT ZM275 (275gm/m<sup>2</sup>) G550 Mpa Yield Stress

## Roof Pitch

In accordance with E2/AS1 of the NZ Building Code, the minimum pitch for Multidek® is 3°.

## Materials

- Zincalume® Steel: 0.48 or 0.55mm BMT, AZ150 (150gm/m<sup>2</sup>) G550 Mpa Yield Stress

NOTE: For information on Aluminium, Stainless Steel and Copper Multidek® Roofing, contact Roofing Industries.

SPECIFICATIONS		
Sheet width: 520mm	Sheet coverage: 500mm	
Sheet length: Any length (Subject to transportation)	Minimum Pitch: 3°	
SPAN TABLES (Steel Substrate Material)		
Type of Span	Maximum Span (Metres)	Maximum Span (Metres)
	0.48mm BMT	0.55mm BMT
Intermediate	1.600	2.500
End	1.100	1.600
Note: Maximum design load 2.0kPa		

- For loadings greater than 2.0kPa, consult Roofing Industries or visit [www.roof.co.nz](http://www.roof.co.nz)

## Durability

Selection of the correct grade of material and appropriate surface coating is imperative to ensure Multidek® will perform satisfactorily in the environment it is to be installed, and meets the requirements of The NZ Building Code. Environmental Categories and Surface Coating literature is available on request.

## Accessories

A full range of matching accessories is available, including Ridging, Rib Caps, Flashings, Underlays, Insulation, Fasteners, Rotary Roof Ventilators and Rainwater Systems.

## Translucent roofing

Multidek® is also available as glass reinforced translucent roofing.

## Fixings and fasteners

Fixings and fasteners are to be of an approved type, compatible with all materials, the environment and meeting the requirements of the NZ Building Code. Installation is to be in accordance with the E2/AS1 and the NZ Metal Roof and Wall Cladding Code of Practice. Multidek® sheeting should be fastened with clips at purlin intervals no greater than the recommended spans, the clip being fixed with 10 x 16 wafer head self drilling Steeltite screws (steel purlin) or 10 x 35 timber screws (timber purlin).

Note: Multidek® concealed fixing clips are not suitable for use with glass reinforced translucent roofing products.

## Curving

Multidek® can be drape-curved to the following minimum radius **Steel** - 70 metre radius for both 0.48 and 0.55mm BMT material. **Aluminium** - 90 metre radius for 0.70BMT and 70 metres for 0.90BMT

## Ordering

Roofing Industries staff can provide technical assistance to ensure accurate ordering of roofing and accessories thereby avoiding costly errors. Multidek® is manufactured and delivered cut to length subject to transport restrictions. Allow one Multidek® clip per purlin per sheet, plus one clip per purlin extra.

## Handling and storage

- On delivery, visually inspect sheets for damage.
- Store Multidek® and accessories on evenly spaced and supportive dunnage, clear of the ground and under cover. If packs become wet and the product not used immediately, separate the sheets to allow air circulation and drying.
- Do not drag sheets across each other.
- Long lengths of roofing should be lifted onto the roof using an approved load spreading beam.
- If protected with strippable plastic film, keep under cover and remove as the product is being installed.

## Installation

Prior to commencing your project, Please refer to Roofing Industries Ltd; Handling Storage and Installation Guide, E2/AS1 and the NZ Metal Roof and Wall Cladding Code of Practice. Failure to install the product to industry requirements will void the warranty.

## Maintenance

Regular maintenance will extend the life of the roof and accessories. It is strongly advised that areas not receiving regular rain washing should be washed with freshwater on a regular basis. On purchasing your roof it is imperative to request a copy of the maintenance guide(s) and familiarise yourself with industry requirements. Failure to do so can void the warranty.

## Warranties

Warranties meet the statutory requirements of the NZ Building Code, are available on request and reflect our New Zealand owned and operated company, test facilities and local climatic conditions. Sample warranties are available at website [www.roof.co.nz](http://www.roof.co.nz).

## Your distributor

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It should be noted that this technical data sheet is based around the requirements of E2/AS1 of the NZBC. For buildings or uses that are outside the scope of, or NOT required to comply with E2/AS1 alternative technical data may apply. Please contact Roofing Industries Ltd.

This literature should be read in conjunction with our published technical information



Roofing Industries Technical Helpline 0800 844 822 [WWW.ROOF.CO.NZ](http://WWW.ROOF.CO.NZ)