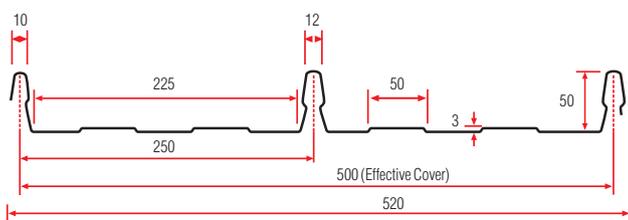


# MULTIDEK®

Roofing  
Industries  
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## MULTIDEK®



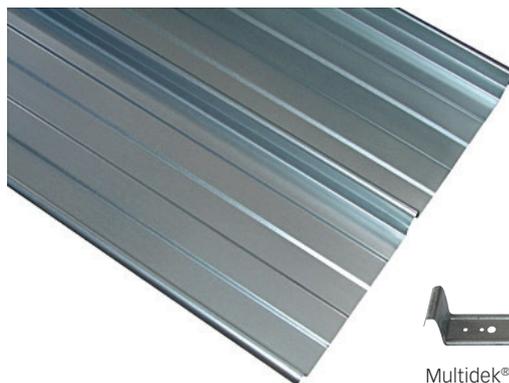
All measurements are in mm and are nominal.

### Description

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

Incorporating a 50 mm rib height with wide pans, 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 similar profiles.

Manufactured from high strength material and supplied in a wide range of substrates and surface finishes, Multidek® complements most 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
- Carports and fencing

## Roof Pitch

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

## Materials

### (Steel based)

- Zincalume® Steel: 0.48 or 0.55 mm BMT
- Galvanised Steel: 0.48 or 0.55 mm BMT

- Prepainted ColorCote® Zincare® or Colorsteel® Endura®, Maxx® 0.48 or 0.55 mm BMT
- Prepainted ColorCote® or Colorsteel® over Galvanised Steel: 0.48 or 0.55 mm BMT
- Prepainted Colorcote Magnaflow® 0.55mm BMT

### (Aluminium based)

- Prepainted Colorcote® Alumigard™ H36 Aluminium 0.90mm BMT

NOTE: For information on plain Aluminium, Stainless Steel, ZAM™; Zinc and Copper Multidek®, contact Roofing Industries.

## SPECIFICATIONS

Sheet width: 520 mm	Sheet coverage: 500 mm	
Sheet length: Any length (Subject to transportation)	Minimum Pitch: 3°	
<b>SPAN TABLES (Steel Substrate Material)</b>		
Type of Span	Maximum Span (Metres)	Maximum Span (Metres)
	0.48 mm BMT	0.55 mm BMT
Intermediate	1.600	2.500
End	1.100	1.600
Note: Maximum design load 2.05 kPa for .48 mm BMT and 2.1 kPa for .55 mm BMT at above spans		

- For loadings greater than above, 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® performs satisfactorily in the environment it is to be installed, meeting the requirements of The NZ Building Code. Environmental Categories 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 a glass reinforced translucent natural roof lighting option.

## Gutters and Spouting

Multidek® has a relatively high 50 mm rib, accordingly it is recommended that a Gutter or Spouting product with a higher face is selected, thereby hiding the ends of the roofing material.

## 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 Steeltites® screws (steel purlin) or 10 x 45 Timbertite® 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 mm and 0.55 mm BMT material.

**Aluminium** - 70 metres for 0.90 mm BMT

## 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/or 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.

## Important

### Surface undulation ("Oil Canning")

Oil canning is defined as a perceived waviness across the flat area of (in particular, but not limited to) wider metal panels. It is a naturally-occurring phenomenon and can be more discernible under shallow cross lighting, variation in light source, temperature and thermal changes. Oil canning is an aesthetic issue and not a structural problem or defect. The property owner, builder, specifier should be aware that these undulations do not affect performance. As Multidek has swages built into the profile, oil canning is not generally an issue.

## Warranties

Refer: [www.roof.co.nz](http://www.roof.co.nz)



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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 refer to our website [www.roof.co.nz](http://www.roof.co.nz). This literature should be read in conjunction with our Multidek® profile technical summary at [www.roof.co.nz](http://www.roof.co.nz).