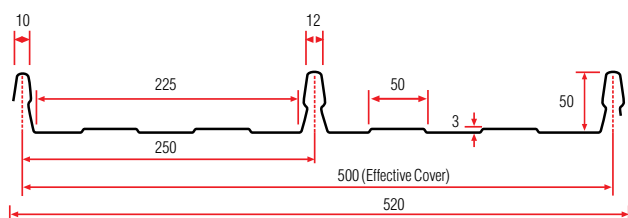


MULTIDEK®

Roofing
Industries
roof.co.nz



MULTIDEK®



All measurements are in mm and are nominal.

Description

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

Incorporating a 50 mm 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 500 mm 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
- Carparks and fencing

- Galvanised Steel: 0.48 or 0.55 mm BMT, Z450 (450gm/m²) G550 Mpa Yield Stress
- Pre-painted **COLORCOTE®** or **COLORSTEEL** over Zinalume® 0.48 or 0.55 mm BMT, AZ150 (150gm/m²), G550 Mpa Yield Stress
- Prepainted **COLORCOTE®** or **COLORSTEEL** over Galvanised Steel: 0.48 or 0.55 mm BMT ZM275 (275gm/m²) G550 Mpa Yield Stress

Roof Pitch

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

Materials

- Zinalume® Steel: 0.48 or 0.55 mm BMT, AZ150 (150gm/m²) G550 Mpa Yield Stress

NOTE: For information on Aluminium, Stainless Steel, ZAM™ 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°	
SPAN TABLES (Steel Substrate Material)		
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

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 glass reinforced translucent roofing.

Gutters and Spouting

Multidek® has a relatively high 50 mm rib, and 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 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.

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 refer to our website www.roof.co.nz

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



Roofing Industries Technical Helpline 0800 844 822 **WWW.ROOF.CO.NZ**

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