





Kāhu® Vertical Wall Cladding in  
COLORSTEEL® Sandstone Grey

## KĀHU® HAS BEEN DESIGNED FOR ELEGANCE, STYLE AND EXTRA PERFORMANCE

### ABOUT METALCRAFT

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Metalcraft Roofing has more than 50 years experience in the roofing industry and has 12 branches nationwide we pride ourselves on being New Zealand's largest and most established privately owned building product rollformer and

installer with an extensive range of longrun roofing profiles, lightweight metal tiles, metal fencing, rainwater system solutions and a variety of solar generation solutions. We also have a structural steel and insulated panel division.

# STYLE & PERFORMANCE

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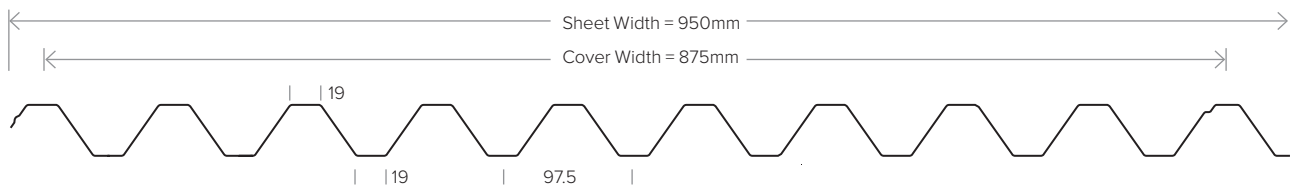
## A BOLD STATEMENT TO ANY HOME

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Kāhu® was designed to maximise the visual impact. High angular ribs create deep shadow lines for a bolder statement for any residential or commercial project.

## CROSS SECTION

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Dimensions are nominal and may vary with changes in material

## COLOURS

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Kāhu® is available in 20 standard colours from New Zealand Steel in trusted brands: COLORSTEEL® ENDURA® and COLORSTEEL® MAXX®. Colour brochures and steel swatches are available on request.



## MINIMUM PITCHES

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The minimum pitch is determined by the ability of the roof cladding to discharge maximum rainfall without water penetration through the side laps, end laps or flashings. The minimum pitch for Kāhu® is: 3° for sheet lengths of 40m. 4° for sheet lengths exceeding 40m but less than 60m. The above minimum requirement has been calculated assuming peak rainfall to be less or equal to 100mm/hr.

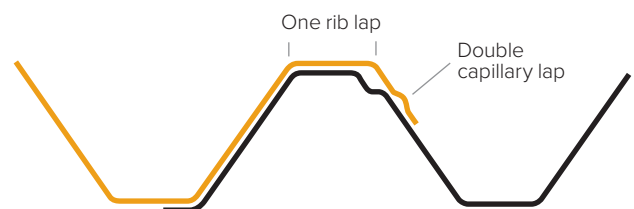
# KĀHU®



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## DOUBLE CAPILLARY OVERLAP

Greater weather performance is achieved with the double capillary overlap as it provides an extra capillary barrier to the standard capillary groove, giving extra peace of mind. The double capillary overlap requires only one rib lap. This increases the cover sheet size and speeds up installation time, providing a cost effective roofing and cladding solution. For wall cladding applications the exposed capillary groove on the overlap can be omitted providing a smoother appearance.



# SPECIFICATION

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## PRODUCT APPLICATION

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The correct application of each grade of material is critical to product performance and life expectancy. Before commencing a project the user must refer to the COLORSTEEL® Environmental Guide and Metalcraft Roofing's product information. Further information including load span data and graphs are available from Metalcraft branches and freely viewable and downloadable at [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz). For information on COLORSTEEL® Zinalume® and Galvsteel® visit: [www.colorsteel.co.nz](http://www.colorsteel.co.nz) or [www.nzsteel.co.nz](http://www.nzsteel.co.nz). It is important that the requirements of these guides are taken into account when making the selection of the material to be used. Installation of Kāhu® is as per the NZMRM Code of Practice. [www.metalroofing.org.nz](http://www.metalroofing.org.nz)

## ENVIRONMENT

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The correct grade of material for use in various environments is given in the COLORSTEEL® Environmental Guide. This is available from Metalcraft branches and can be viewed and downloaded at [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

## MAINTENANCE

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Regular maintenance is required to maximize the lifetime of metal roofing products. Areas that do not receive regular washing with rain, such as canopies, cladding, garage doors, fascia, gutters and downpipes require increased maintenance. Accelerated corrosion can occur where salts and pollutants combine with condensation.

## WARRANTIES

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The correct grade of material for use in various environments is given in the COLORSTEEL® Environmental Guide. Material warranties are closely linked to environmental categories. The COLORSTEEL® Environmental Guide gives a guide to the classification of the environmental categories and the associated warranties that the various material finishes are given. Please contact your local Metalcraft Roofing branch.

## SHEET LENGTHS

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Sheet lengths vary depending on geographical locations in New Zealand, please discuss with your local Metalcraft Roofing Branch. Depending on colours and sheet lengths load spreading washers and step joints may be required. Refer to NZMRM Code of Practice on [www.metalroofing.org.nz](http://www.metalroofing.org.nz) or Metalcraft Roofing website: [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

## HANDLING AND STORAGE

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Handling and storage of Kāhu® is as per the NZMRM Code of Practice. [www.metalroofing.org.nz](http://www.metalroofing.org.nz). Some important considerations are as follows:

- Site Storage which ensures that sheets are kept dry and ventilated.
- Reducing risk of surface damage to surface coatings during handling, installation and by other trades.
- Ensuring that spans and pitches used are not outside those recommended by Metalcraft Roofing.
- Ensuring that correct and sufficient fasteners are used.
- Installation in contact with incompatible materials is avoided.

## ROOF NOISE

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The homeowner should be aware that temperatures of dark colours are higher than those of lighter colours. Thermal expansion of metal roofs is covered in the NZMRM Code of Practice. The MBIE document on roof cladding advises that noise from thermal expansion is normal and should be expected. Refer to MBIE -Guide to tolerances, materials and workmanship in new residential construction 2015.

## FASTENERS

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The selection of the appropriate fastener is essential to performance of the roof. The durability of the fastener should be, as a minimum requirement, equal to that of the roofing or cladding. If in doubt, refer to your nearest Metalcraft branch. Please refer to loadspan and fixing table for recommended fixings, fastener patterns and centres. This can be downloaded from: [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

## DISCLAIMER

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As part of Metalcraft Roofing's policy of continued improvement, final specifications may vary from those contained in this publication. The company reserves the right at any time and without notice to change the design, materials or features and withdraw products from the market without incurring any liability whatsoever. This publication is issued as a general guide only and should not be treated as a substitute for technical advice. Contact with your nearest Metalcraft branch is recommended to confirm current specifications and availability.

# BRANCHES

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Metalcraft Roofing are members of the Roofing Association, New Zealand and the New Zealand Metal Roofing Manufacturers Incorporated.



For more information on Metalcraft Roofing visit:  
[www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz).  
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