

# BEVELBACK WEATHERBOARD

## BEVELBACK WEATHERBOARD EXPLAINED

The Bevelback Weatherboard External Wall Cladding system comprises:

- › A long run steel sheet with a traditional timber cladding profile
- › Associated design and installation information

Metalcraft fabricates the Bevelback Weatherboard sheets from steel manufactured by New Zealand Steel. This steel is supplied with different protective coatings which are designed to withstand conditions in specific New Zealand Corrosion Zones. Refer to NZ Steel's Environmental Categories Brochure at [www.nzsteel.co.nz/technical-resources](http://www.nzsteel.co.nz/technical-resources) for details.

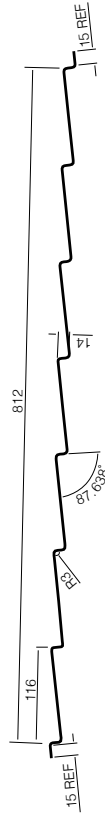
Bevelback Weatherboard sheets are available in the following NZ Steel branded products:

- › Colorsteel® Endura®
- › Galvsteel®
- › Colorsteel® Maxx®
- › Zinalume®

In the following sizes:

- › Thicknesses: 0.4mm and 0.55mm
- › Width: Cover = 812mm Sheet = 842mm

And with the profile dimensions pictured right.



### PURPOSE:

Metalcraft Roofing supply the Bevelback Weatherboard System as a horizontal external wall cladding on residential and commercial buildings.

### SCOPE OF USE

Metalcraft Roofing supply the Bevelback Weatherboard External Wall Cladding system for use within the following scope:

#### LOCATION:

- › In wind zones:
  - › Up to and including Extra High as defined by NZS-3604:2011.
  - › Subject to specific engineering, if the engineer has satisfied themselves that the product, pitch and fixings will meet the conditions.
- › In all climate zones as defined by NZS-3604:2011, subject to the limitations set out below (see limitations overleaf).
- › On buildings located within 1m of the relevant boundary, in respect of fire spread only.

#### BUILDING:

- › On new buildings that have been designed and constructed to comply with the NZ Building Code (NZBC) using timber or steel framing.
- › On existing buildings using timber and steel framing where the designer and installer have satisfied themselves that the building is suitable for the intended building work.
- › In conjunction with a vapour permeable building wrap that has a permeability of 36g/m2/day of a vapour resistance of no more than 500MNs/g.

### VERSION:

NOTE: Uncontrolled in printed format.

### DATE:

**Name:** Frances Charles  
**Position:** National Sales & Marketing Mgr

Signed on behalf of: Metalcraft Roofing.

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.

### FURTHER INFORMATION

For further product assistance please contact:  
[www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

To find your nearest Metalcraft Roofing branch visit [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

## LIMITATIONS OF USE

### LOCATION:

- Bevelback Weatherboard may be used as a wall cladding system in exposure zones B & C. Where Bevelback Weatherboard is to be used in exposure Zone D, then only Colorsteel® Endura® or Colorsteel® Maxx® may be used.

### BUILDING:

- Where Bevelback Weatherboards are used in an insulated building in conjunction with steel framing, a thermal break is required.
- Contact with other materials must be in accordance with Table 21 (E2/AS1), or compatible with the The New Zealand Metal Roofing Manufacturers Association Inc (NZMRM) Code Of Practice.
- Building height and design wind speed is limited by the Bevelback Weatherboard design load span tables (refer to: [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)).
- Where a building is insulated, Bevelback Weatherboards must always be installed in conjunction with a ventilated and drained cavity.
- Outbuildings or detached garages can be direct fixed as per E2/AS1.

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Metalcraft requirements, the Bevelback Weatherboard will meet the following performance claims.

## USEFUL INFORMATION

Refer to [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz) for information relating to:

- Technical information, drawings and specification.
- Specification of the correct fasteners.
- Care and maintenance.
- The Metalcraft Roofing warranty.

## NZ STEEL ASSURANCE

As the manufacturer of the steel from which Bevelback Weatherboards are fabricated, NZ Steel provides assurance that the steel:

- Has been manufactured in accordance with AS 1397-2001.
- Is coated in accordance with AS/NZS 2728:2013, or galvanized in accordance with AS/NZS 2312.2:2014.

## SOURCES OF INFORMATION:

- MBIE Acceptable Solutions
- AS/NZS-1397:2001 "Steel sheet and strip—Hot-dip zinc-coated or aluminium/zinc-coated"
- NZ Metal Roof and Wall Cladding Code of Practice (NZMRM) (V2.2)
- AS/NZS-1170:2004 "Structural design actions"
- AS/ NZS-2728:2013 "Prefinished/pre-painted sheet metal products for interior and exterior building applications"

## CONTACT INFORMATION

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NZBC Clause	Basis of compliance	
	Means of compliance	Relevance
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, b, c, d, g, i)	<b>ACCEPTABLE SOLUTION</b> <b>B1/AS1</b>	<ul style="list-style-type: none"> <li>AS/NZS 1397:2011</li> <li>AS/NZS 1170:2002 (span tables)</li> </ul>
<b>B2 Durability</b> B2.3.1 (b)	<b>ACCEPTABLE SOLUTION</b> <b>B2/AS1</b>	<ul style="list-style-type: none"> <li>Coated in accordance with AS/NZS 2728:2013. (NZ Steel claim) cited in E2/AS1</li> </ul>
<b>C3 Fire Affecting Areas Beyond the Fire Source</b> C3.4(a), C3.5, C3.7 (a)	<b>ACCEPTABLE SOLUTION</b> <b>C/AS2-C/AS7</b> <ul style="list-style-type: none"> <li>Metals are non-combustible</li> </ul>	<ul style="list-style-type: none"> <li>ISO5660 BRANZ (FH 6102-TT, dated 3/1/2017) (Material Group 1-S)</li> <li>Steel non-combustible (refer para 5.8 C/AS2-C/AS7)</li> </ul>
<b>E2 External Moisture</b> E2.3.1, E2.3.2, E2.3.7 (a-c)	<b>ACCEPTABLE SOLUTION</b> <b>E2/AS1</b>	<ul style="list-style-type: none"> <li>NZMRM Code of Practice (v2.2)</li> </ul>
<b>F2 Hazardous Building Materials</b> F2.3.1	<b>ALTERNATIVE SOLUTION</b> <ul style="list-style-type: none"> <li>ColorCote safety data sheet</li> </ul>	<ul style="list-style-type: none"> <li>Coating system is inert once dry</li> </ul>

Other performance claims	Basis of compliance	
	Means of compliance	Relevance
Bevelback Weatherboard will not contaminate potable water	<ul style="list-style-type: none"> <li>AS/NZS 4020:2005</li> </ul>	<ul style="list-style-type: none"> <li>Claimed by manufacturer: NZ Steel</li> <li>BRANZ statement that metal roof suitable refer: <a href="http://www.level.org.nz/water/watersupply/mains-or-rainwater/harvesting-rainwater/">http://www.level.org.nz/water/watersupply/mains-or-rainwater/harvesting-rainwater/</a></li> </ul>

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