pass™ PRODUCT ASSURANCE SUPPLIER STATEMENT
pass™ no: 19082 | Expires: 02/2021

Metalcraft Roofing

# METALCRAFT BEVELBACK WEATHERBOARD

## PURPOSE

Metalcraft supply Bevelback Weatherboard profiled metal sheet as a horizontally laid wall cladding.

## EXPLANATION

Metalcraft fabricates Bevelback Weatherboard from steel manufactured by NZ Steel. The steel is supplied in a range of protective coatings to meet NZ's exposure zones. Metalcraft Bevelback Weatherboard is available in the full Colorsteel® range.

The sheets are available in the following NZ Steel branded products:

- Colorsteel® Endura®
- Colorsteel® Maxx®
- Galvsteel®
- Zincalume®

Bevelback Weatherboard sheets are available in the following sizes:

- Thickness (mm): 0.40 and 0.55
- Width (mm): Cover – 812, Sheet – 842.

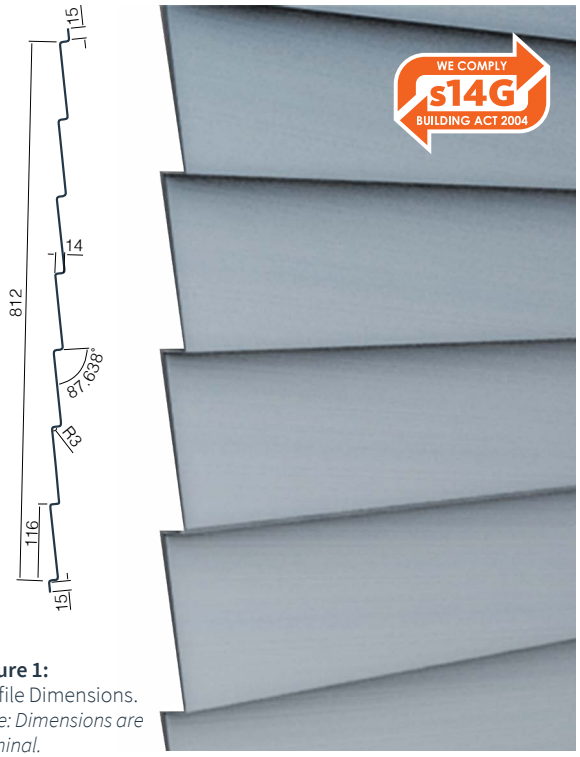


**Figure 1:**
Profile Dimensions.
*Note: Dimensions are nominal.*

## SCOPE AND LIMITATIONS OF USE

| Scope | Limitations |
|---|---|
| **Location** | |
| In all wind zones as defined in NZS 3604:2011 and in all calculated design loads. | ❯ Metalcraft Bevelback Weatherboard load span tables apply in wind zones up to, and including, extra high.<br>❯ Where the calculated design loads are greater than 2.5kPa the engineer must satisfy themselves that the product, pitch and fixings will meet the conditions. |
| In all exposure zones defined by NZS 3604:2011. | ❯ In exposure Zone D, only Colorsteel® Endura® or Colorsteel® Maxx® may be used.<br>❯ For use in microclimatic considerations (as defined in Section 4.2.4 NZS 3604:2011) refer to Metalcraft Roofing for technical advice. |
| On buildings located any proximity to a relevant boundary. | ❯ Metalcraft Bevelback Weatherboard is non-combustible. |
| **Building** | |
| On timber or steel structural framing. | ❯ A thermal break is required where Metalcraft Bevelback Weatherboard is used in conjunction with steel framing. |
| In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work. | ❯ Building height is limited by the Metalcraft Bevelback Weatherboard design load span tables (refer to: www.metalcraftgroup.co.nz) unless specifically engineered. |
| As a wall cladding. | ❯ A drained and ventilated cavity is always required unless the building is unlined or importance level 1, in which case the Metalcraft Bevelback Weatherboard may be direct fixed as per E2/AS1.<br>❯ Flashings, flexible and rigid building underlays and fixings to be in accordance with E2/AS1 and NZMRM: *Code of Practice (V3.0)*.<br>❯ Contact with other materials must be in accordance with E2/AS1 and NZMRM: *Code of Practice (V3.0)*. |

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Metalcraft Roofing requirements, the Bevelback Weatherboard will comply with or contribute to compliance with the following performance claims:

| NZ Building Code clauses | BASIS OF COMPLIANCE | |
|---|---|---|
| | Compliance statement[1] | Demonstrated by |
| **B1 Structure**<br>B1.3.1, B1.3.2<br>B1.3.3 (a, b, c, d, g, i) | ACCEPTABLE SOLUTION<br>B1/AS1 | › AS/NZS 1397:2011.<br>› AS/NZS 1170:2002 (for span tables). |
| **B2 Durability**<br>B2.3.1 (b)<br>B2.3.2 (b) | ACCEPTABLE SOLUTION<br>B2/AS1 | › Coated in accordance with AS/NZS 2728:2013 (cited in E2/AS1). |
| **C3 Fire Affecting Areas Beyond the Fire Source**<br>C3.4 (a)<br>C3.7 (a) | ACCEPTABLE SOLUTION<br>C/AS1<br>C/AS2 1st Edition, June 2019 | › Steel is non-combustible.<br>› BRANZ (FH 6102-TT, dated 3/1/2017) (Material Group 1-S).<br>› BRANZ is accredited to perform ISO 5660 test. |
| **E2 External Moisture**<br>E2.3.1, E2.3.2, E2.3.7 (a, b, c) | ALTERNATIVE SOLUTION<br>E2/AS1 | › NZMRM Code of Practice (V3.0). |
| **F2 Hazardous Building Materials**<br>F2.3.1 | ALTERNATIVE SOLUTION<br>Colorsteel® safety data sheet | › Coating system is inert once dry.<br>› Colorsteel® safety data sheets. |

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

## NZ STEEL ASSURANCE

As the manufacturer of the steel, from which the Bevelback Weatherboard is 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.

NZ Steel has established an Environmental Management System certified to ISO 14001.

For more information on the specific exposure zones and environmental impacts of the product refer to www.colorsteel.co.nz

## SOURCES OF INFORMATION


› AS/NZS 1170:2002. *Structural design actions.*

› AS/NZS 1397:2001. *Steel sheet and strip—Hot-dip zinc coated or aluminium/zinc-coated.*

› AS/NZS 2728:2013. *Prefinished/pre-painted sheet metal products for interior and exterior building applications.*

› NZ Metal Roof Manufacturers (NZMRM): *Code of Practice (V3.0).*

› NZ Steel Technical Bulletin (August 2016) *Fire Testing. Fire Testing of Coated Steel Product.*


**VERSION:** v4.0 **DATE:** 03/12/2019

*Note: Uncontrolled in printed format.*

**NAME:** Frances Charles

**POSITION:** National Sales & Marketing Mgr

Signed on behalf of Metalcraft Roofing:

Frances Charles

Digitally signed by Frances Charles
Date: 2019.12.03 10:55:41 +13'00'

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.

**For more information visit www.metalcraftgroup.co.nz**