

BATTENFORM METAL CLADDING

PURPOSE

Proform Steel supplies Battenform Metal Cladding for external wall cladding. Flashings and components are also supplied as part of the system.

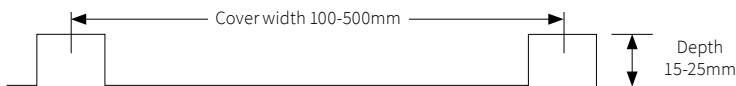
EXPLANATION

Battenform Metal Cladding is a metal-tray cladding profile manufactured from 240 to 600 mm 0.55 mm pre-painted steel (Colorsteel®).

The profiles have a wide pan and 90° crest to the pan.

The profiles incorporate an overlocking crest upstand of a maximum of 30 mm in height and a maximum of 40 mm in width and have a variable pan width of 80 mm to 500 mm.

The profiles are installed vertically only and are fixed over a drained and ventilated cavity with horizontal castellated timber cavity battens.



For further assistance, please contact:

-  info@proformsteel.co.nz
-  proformsteel.co.nz

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In wind zones up to and including Extra High as defined in NZS 3604:2011 or a maximum wind design pressure (ULS) of 2.5 kPa. In exposure zones as defined in NZS 3604:2011. On buildings located any proximity to a relevant boundary.	<ul style="list-style-type: none"> ➤ Fixing spacings must be calculated in accordance with section 3.17 of the New Zealand Metal Roofing Manufacturers (NZMRM) Code of Practice (current version) or specifically designed. ➤ Where the wind design pressure is greater than 2.5 kPa, the system may be used but must be subject to specific engineering design, taking account of the wind pressure limitations and clip spacings set out in Test Report number 5/2024/PF1. ➤ In exposure zone D, Colorsteel® MAXX® must be used. ➤ Where microclimatic conditions apply (section 4.2.4, NZS 3604:2011), contact Proform Steel for technical advice. ➤ The design of the other external envelope elements must comply with the relevant fire provisions of the NZ Building Code.
Building 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. On timber or lightweight steel framing or over structural panels. As an external wall cladding.	<ul style="list-style-type: none"> ➤ A thermal break is required when installed over steel framing. ➤ Must be installed over a drained and ventilated cavity incorporating horizontal castellated timber cavity battens. ➤ A flexible building wrap or rigid underlay must be installed that meets the requirements of Table 23 of E2/AS1 or that is a proprietary product that has a current product certificate. A rigid air barrier that complies with Table 23 of E2/AS1 must be installed where the Battenform Metal Cladding is to be used in wind zones of Very High or above. ➤ Flashings and fixings must be in accordance with E2/AS1 (Tables 20, 21, 22 and 24) and/or the NZMRM Code of Practice (current version). ➤ Contact with other materials must be in accordance with E2/AS1 and the NZMRM Code of Practice (current version).

USEFUL INFORMATION

For design, installation and maintenance information, refer to proformsteel.co.nz.

CONDITIONS OF USE

Battenform Metal Cladding must be installed in accordance with all Proform Steel requirements.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Proform Steel Ltd requirements, Battenform Metal Cladding will comply with or contribute to compliance with the following performance claims:

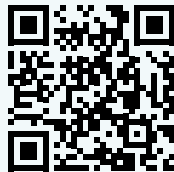
NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1 B1.3.2 B1.3.3 (a, b, c, d, g, i) B1.3.4 (a, b, c, d, e)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Whole section testing in accordance with section 17 of the NZMRM Code of Practice [New Zealand Metal Roofing Manufacturers Association, 08/05/2024]. Manufactured in accordance with AS 1397-2001. Generally, in accordance with the NZMRM Code of Practice (current version) and E2/AS1.
B2 Durability B2.3.1 (b) B2.3.2 (b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> Materials in accordance with E2/AS1 and NZMRM Code of Practice (current version), which provides for profiled metal roofing solutions, including the durability attributes of the building elements. System componentry materials in accordance with Table 20 of Acceptable Solution E2/AS1, Section 4 of NZS 3604:2011, and Table 1 of Acceptable Solution B2/AS1.
C3 Fire Affecting Areas Beyond the Fire Source C3.4 (a), C3.7 (a)	ACCEPTABLE SOLUTION C/AS1 and C/AS2	<ul style="list-style-type: none"> Metal is defined in C/AS1 and C/AS2 as non-combustible.
E2 External Moisture E2.3.2, E2.3.5, E2.3.7	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Whole section testing in accordance with section 17 of the NZMRM Code of Practice [New Zealand Metal Roofing Manufacturers Association, 08/05/2024]. Generally, in accordance with NZMRM Code of Practice (current version) and E2/AS1. E2 Evaluation profile demonstrates compliance with Clause E2 [TBB, 05/2024].
F2 Hazardous Building Materials F3.2.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Use in accordance with supplier's safety information. Coating system is inert once dry.

SOURCES OF INFORMATION

- New Zealand Metal Roofing Manufacturers Association. [08/05/2024] Report number 5/2024/PF1.
- TBB. [05/2024]. E2 Evaluation of Proform Steel Metal Wall Cladding V1.0.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

proformsteel.co.nz



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Proform Steel Ltd confirms that if Battenform Metal Cladding is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 07/06/2024

Date of current issue: 18/07/2024

NZBN: 9429049881639

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Proform Steel Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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