

# SPANBILD

DESIGN. MANUFACTURE. BUILD.

## Mastaclad Wall Cladding BPIR Product Statement - Class 1

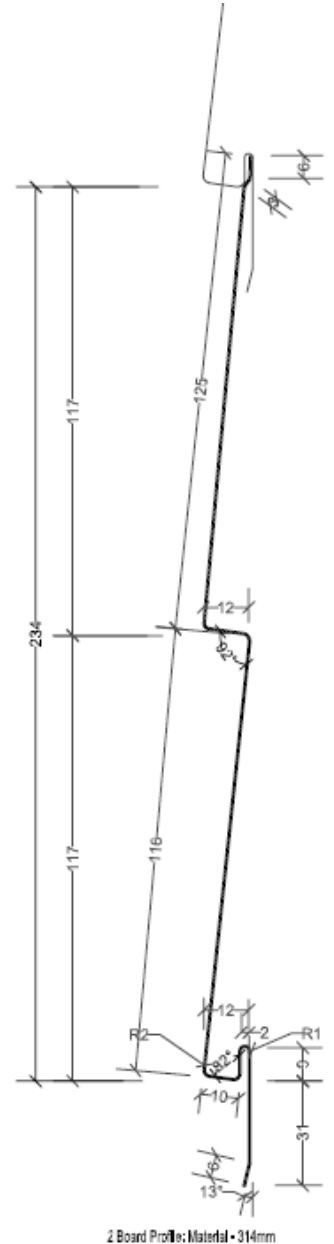
### 1. Company Details

Spanbild New Zealand Limited  
 112 Waterloo Road,  
 Hornby,  
 Christchurch 8042  
<https://www.spanbild.com/contact.html>  
[info@spanbild.co.nz](mailto:info@spanbild.co.nz)  
 Ph: 03 349 5700  
 NZBN: 9429039686824

### 2. Product Name & Product Codes

Mastaclad Wall Cladding

- 20145419 Mastaclad 0.40 G300 G2Z Desert Sand
- 20145421 Mastaclad 0.40 G300 G2Z Ebony
- 20145422 Mastaclad 0.40 G300 G2Z Flaxpod
- 20145433 Mastaclad 0.40 G300 G2Z Grey Friars
- 20145438 Mastaclad 0.40 G300 G2Z Ironsand
- 20145443 Mastaclad 0.40 G300 G2Z Karaka
- 20145452 Mastaclad 0.40 G300 G2Z Mist Green
- 20145462 Mastaclad 0.40 G300 G2Z New Denim Blue
- 20145471 Mastaclad 0.40 G300 G2Z Permanent Green
- 20145475 Mastaclad 0.40 G300 G2Z Sandstone Grey
- 20145476 Mastaclad 0.40 G300 G2Z Scoria
- 20145490 Mastaclad 0.40 G300 G2Z Titania



### 3. Product Description & Use

Mastaclad roll formed weatherboard is manufactured from NZ Colorsteel as a wall cladding. The profile is described as a 117mm 'bevel backed' weatherboard. It is classified as a lightweight wall cladding suitable for residential & commercial construction on garages, sleepout, homes & offices.

#### Key Technical Specifications:

- NZ Steel Colorsteel Maxam
- 0.4mm BMT
- Maximum length 6.6m
- Cold roll formed using prime grade G300 steel (300 mPa minimum yield stress)
- Can be direct fixed or on drained cavity system

Basis of Compliance		
NZ Building Code Clauses	Compliance Statement	Demonstrated By
B1/AS1 Structure B1.3.1, B1.3.2, B1.3.3 (a,b,c,d,g,i)	Acceptable Solution B1/AS1	AS/NZS 1397:2011 AS/NZS 1170:2021 (for span tables)
B2/AS1 Durability B2.3.1(b), B2.3.2 (b)	Acceptable Solution B2/AS1	Coated in accordance with AS/NZS 2728:2013 (Cited in E2/AS1)
C3 Fire Affecting Area Beyond the Fire Source C/AS1, C/AS2 C3.7 (a)	Acceptable Solution C/AS1 C/AS2	Steel is non-combustible
E2/AS1 External Moisture. E2.3.2, E2.3.3, E2.3.5, E2.3.6, E2.3.7 (a,b,c)	Acceptable Solution  Alternative Solution	Largely in accordance with E2/AS1 by comparison  Alternative solution by in service history use
F2/AS1 Hazardous Building Materials F2.3.1	Alternative Solution	Coating system is inert once dry Colorsteel safety data sheet

Scope	Limitations
In all wind zones as defined in NZS 3604:2011	Mastaclad Cladding applies in all wind zones including extra high wind.
In all exposure zones as defined in by NZS 3604:2011	In Exposure Zone D only Colorsteel Maxam must be used (very severe).
On Buildings located within 1m of any relevant boundary's	Mastaclad is non-combustible.
As a wall cladding	<p>A drained &amp; ventilated cavity is recommended as per E2/AS1. Unlined or importance level 1 buildings can be direct fixed.</p> <p>Flashings, Flexible &amp; Rigid building underlays must be in accordance with E2/AS1.</p> <p>Compatibility with other building materials must be in accordance with E2/AS1.</p>

#### 4. Installation Requirements

Before installing Mastaclad cladding appropriate safety measures must be undertaken in relation to working from height and Personal Protective Equipment.

##### The following items are required for installation:

- Cladding layout
- Cladding assembly guidelines and start heights
- Building construction plans
- Cladding nails or appropriate cladding gun
- Tape measure
- Builders square
- String or chalk line to mark board increments on the wall
- Hammer & nail punch
- Tin snips
- Drill, revits & Pop riveter
- Sealant and caulking gun
- Spirit Level
- Personal Protective Equipment (PPE) i.e. gloves, hearing protection, safety glasses

##### Key Installation Requirements:

- Refer to cladding layout sheet for location of boards.
- Ensure 235mm board coverage is maintained.
- Using start heights as specified in building instructions it is imperative that all board positions be either marked with a chalk line or string line on the wall which will help show if boards are creeping.

- As Mastaclad is supplied cut to length as per cladding layout, if altering is required on site always ensure you double check that it is required before cutting any sheets on site.
- For long length board two people are required to install cladding as this will reduce the likelihood of damage to boards.
- Do not carry the boards on the flat, carry in the vertical position to avoid excessive bending.
- Push board hard up into bottom groove of above board, ensure board is located properly before nailing off.

#### **Fixing & Installation:**

- Mastaclad is fixed to studs or cavity battens with 32x2.8mm galvanised twist shank nails or 40x2.8mm galvanised flat head nails. Fix every 117mm vertically at all corners and openings and every 235mm to intermediate studs.
- For habitable buildings clad in Mastaclad, a PVC back flashing is fitted down external corners and openings as a backstop to any moisture. Any moisture hits the upstand and will be directed down and out past the bottom plate.
- Behind aluminium joinery a profiled foam in seal is fitted between the aluminium flange and the cladding. The in seal is manufactured BY Ultalon Foam Group and is a closed-cell, cross-linked PE30 polyethylene foam which has a minimum durability of 15 years.
- Cavity Battens needs to be H3.1 LOSP treated. Separation between cavity battens and cladding is not required as battens do not contain copper. Cavity battens must be structurally fixed to framing at 300mm staggered centres.

#### **Nail Size & Fixing Method:**

- Mastaclad cladding is fixed with 32x2.8mm galvanised twist shank nails or 40x2.8mm galvanised flat head nails and can be either hand nailed or nailed using an appropriate cladding gun that uses collated 32x2.8mm galvanised twist shank nails.
- All concealed nails must be driven flush with the board surface.

#### **Gun Nailing:**

- Mastaclad can be nailed using an appropriate cladding gun that uses collated 32x2.8mm galvanised twist shank nails. It is fixed in same manner mentioned above.
- When using an appropriate cladding gun it is recommended that a rubber nose protector be used on the end of the gun to stop unduly damaging the cladding sheet.

### **5. Maintenance Requirements**

- Refer NZ Steel Environment Categories & Warranty Guide August 2024.

### **6. Cladding Warnings or Bans**

Mastaclad does not have a ban or subject to a warning under section 26.

**Date: 1/1/2025**