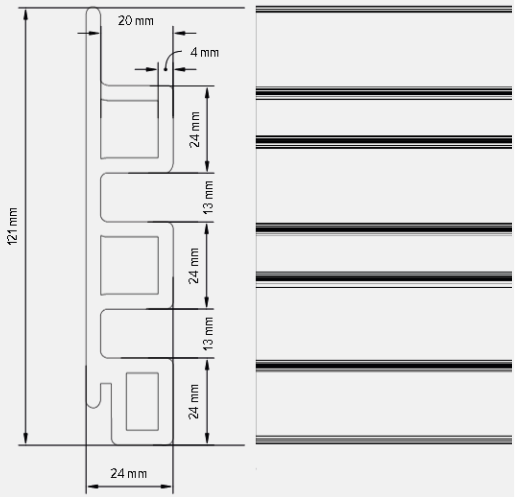
EazyClad Slatted Cladding Specification

Specification Guide

B+M slatted cladding system takes inspiration from natural western red cedar. This stunning material from the capped cladding range looks as impres sive as natural wood cladding with no need to paint, stain or oil. B+M cladding products come with a 25 year warranty.

Slatted

Length (mm)	2500 / 3600
Width (mm)	121 (112 installed)
Depth (mm)	24
Weight (p/lm)	2.14kg
Material	Wood Plastic Composite
	Brushed finish
Finish	Slatted 24mm Batten



Length	Charcoal	Birch	Oak
3.6m	3112512036-CB	3112512036-BH	3112512036-OK

B+M Architectural
Specialists in architectural glass systems

293 Coleford Road, Sheffield S9 5NF
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Eazy C l a d B e n e f i t s

B+M EazyClad composite products offer the benefits of additional - HDPE capping. This results in a composite product that is more hardwearing, stain-resistant, and resistant to colour fading. We are so confident in the quality of our board that we offer an industry-leading 25 year warranty.

Sustainable Choice

B+M Wood Plastic Composite products are made from recycled plastic and wood fibre. Choosing B+M ensures this waste material is diverted from landfill, and given a second life.

Great Composite Benefits

Not only easy to install, with our hidden clip system, B+M composite cladding is practical, low maintenance, and with our 25 year warrany,, will be sure to look good for years to come.

UV Stable with Colour Fade Warranty

All our EazyClad products (including Panel Cladding) are fade resistant. Although not entirely fade proof, our cladding has been extensively tested - including artificial weathering test - and we offer a warranty against fading due to weathering weathering due to light exposure and weathering in excess of 'ΔE=5' on the Hunter scale.

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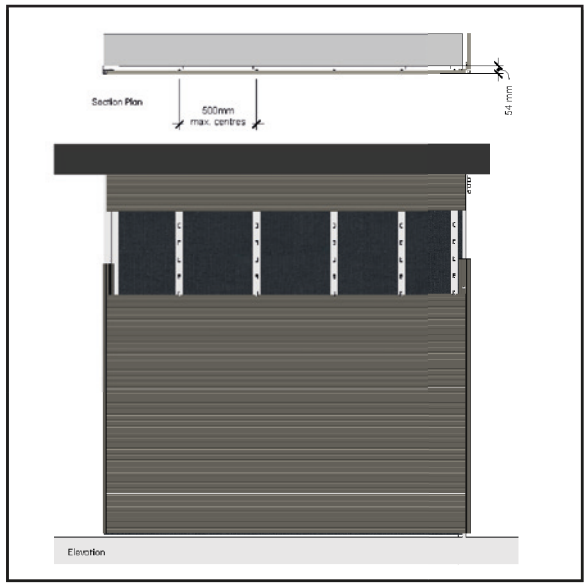
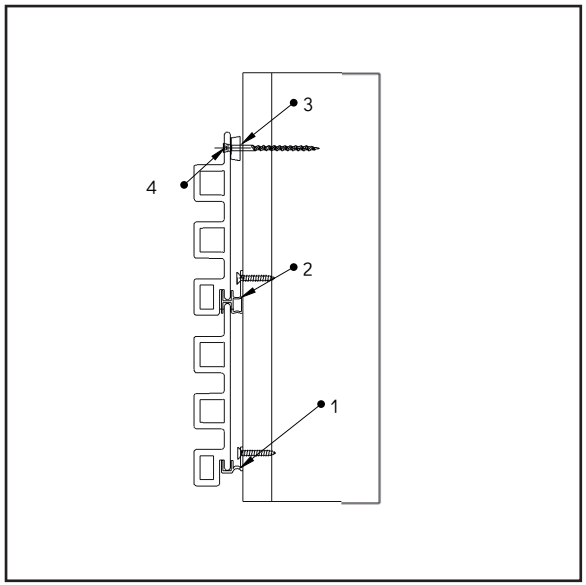
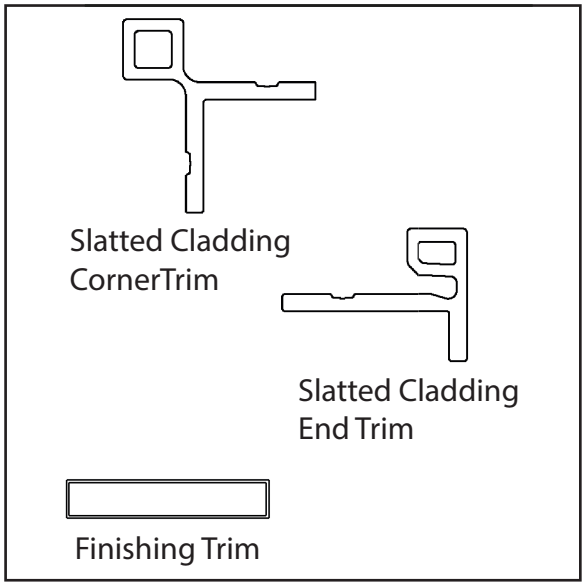
Working Specification - Slatted Cladding

Drawings below show a typical installation detail for EazyClad slatted cladding, including maximum substructure centres, depiction of our hidden clips systems, and trims.







EazyClad cladding boards must be supported by a substructure placed at 500mm centres.
For further information, please see EazyClad Cladding Installation Guide at www.bmsteel.co.uk

B+M cladding should always be used with HomeClad aluminium hidden clips system:
1. Starter Bar
2. Cladding Clip
3. Plastic Pad
4. Colour-coded screw

B+M comes with a choice of trim profiles - including an end trim, and corner trim for external corners, and a versatile finishing trim, whilst no trim is needed for internal corners to ensure that you always get a neat finish for your project.

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Specification Table

Property	Test Method	Test Result	Test Requirements	Verdict
Appearance	EN 15534-1:2014 Section 6.1 EN 15534-4:2014 Section 4.3	None of visible difference which wascompared to control sample.		Pass
Linear Mass	EN 15534-1:2014 Section 6.5 EN 15534-4:2014 Section 4.4	Mean: 1788 g/m Max.: 1819 g/m Min.: 1748 g/m	Individual values≥95% declared value by the manufacturer.	N/A
Dimensions	EN 15534-1:2014 Section 6.6 EN 15534-4:2014 Section 4.4	Average Width: 121.02mm Average thickness: 25.14 mm Average Length: 1001mm Max. deviation from straightness in flatwise: 0.1mm Max. deviation from straightness in edgewise: 0.05mm Max. Cupping: 1.4mm	Individual values	N/A
Falling mass impact resistance	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.1	Max. Crack length (mm): No crack Max. Residual Indentation (mm): 0.12	None of 10 test specimens shall show a failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0,5 mm.	Pass
Flexural properties	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.2 Specified span: 500mm Testing Speed: 18.5mm	Ave. Bending Strength: 31.9 MPa Modulus of Elasticity in bending: 4725 MPa Deflection at 250 N: Mean: 1.45 mm Max. 1.73 mm	-Deflection under a load of 250 N Mean ≤ 5.0 mm	Pass
Creep behaviour	EN 15534-1:2014 Section 7.4.1 EN 15534-4:2014 Section 4.5.3	Span: 400 mm Mean ΔS: 2.97 mm Max. ΔS: 3.03 mm Mean ΔSr: 1.81 mm	Known span in use Mean ΔS ≤ 10 mm Max. ΔS ≤ 13 mm Mean ΔSr ≤ 5 mm	Pass
Resistance to artificial weathering	EN 15534-1:2014 Section 8.1 EN 15534-4:2014 Section 4.5.5 ISO 4892-2: 2013, cycle 1	After 2000h exposure: ΔL* = 2.42, Δa* = 0.70, Δb* = 1.44 ΔE* = 3.54 Grey scale = 3	ΔL*, Δa* and Δb* shall be declared	N/A
Swelling and water absorption (28 days immersion)	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5	Mean Swelling: 0.41% in thickness ; 0.36% in width; 023.% length Max. Swelling: 0.60% in thickness; 0.43% in width; 0.29% in length Water Absorption Mean: 2.71% Max.: 2.91%	Mean Swelling: ≤4% in thickness ; ≤0.8% in width; ≤0.4% length Max. Swelling: ≤5% in thickness; ≤1.2% in width; ≤0.4% length Water Absorption Mean: ≤7% Max.: ≤9%	Pass
Fungi Resistance Test	ISO 16869: 2008	Rating 1: The material is partially protected against fungal attack or generally not susceptible to such attack	Test conditions: 21 days, Humidity>85%RH, Temperature: 25°C	

Property	Test Method	Test Result	Test Requirements	Verdict
Moisture resistance under cyclic test conditions	EN 15534-1:2014 Section 8.3.2 EN 15534-4:2014 Section 4.5.5	Original MOR: 31.9 MPa After exposure, Mean MOR: 29.6MPa Deflection at 250N: Mean: 1.96 mm Max.: 2.02 mm	Deflection under load at 250N Mean ≤ 6.0mm (Test span was at 500mm)	Pass
Boiling Test	EN 15534-1:2014 Section 8.3.3 EN 15534-4:2014 Section 4.5.5	Water absorption in weight: Mean: 1.57 % Max.: 1.77 %	Water Absorption in weight: Mean ≤ 7 % Max. ≤ 9 %	Pass
Linear thermal expansion coefficient	EN 15534-1:2014 Section 9.2 EN 15534-4:2014 Section 4.5.6 ISO 11359-2:1999	Mean: Longitudinal direction: 46.0 ×10-6 K-1	≤ 50×10-6 K-1	N/A
Heat Reversion	EN 15534-1:2014 Section 9.3 EN 15534-4:2014 Section 4.5.7 EN 479:2018	Test Temperature: 100°C Mean: 0.07 %		
Heat build-up	EN 15534-1:2014 Section 9.4 EN 15534-4:2014 Section 4.5.7	Set temperature rise for use in horizontal position: 41 °C Actual temperature rise for black control specimen: 39.6 °C Temperature of test specimen: 34.4 °C Predicted heat build-up ΔT: -5.2°C	Test condition: ambient air temperature 23 ± 2 °C	
Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7	Brinell hardness: 69 MPa Rate of elastic recovery: 53 %	Indenter: a hardened steel spherical body with diameter of 10 mm Test load: Additional load of 2000N with preload of 20N Indentation time: (25 ± 5) s Recovery time: at least 24h	
Neutral salt spray test	EN 15534-1:2014 Section 8.6 ISO 9227:2017 EN 15534-4:2014 Section 4.5.7	After 300h exposure: ΔL* = -0.94, Δa* = 0.70, Δb* = 0.19 ΔE* = 1.2 Grey scale = 4-5	300 hours exposure time	
Fire Resistance	EN 13501-1:2018	Standard Option Classification: D-s1, d0		r
Screw withdrawal	EN 15534-1:2014 Section 7.6 EN 13446:2002 EN15534-5:2014 Section 4.5.6	Withdrawal capacity: 27.5 N/mm²		
Pull through resistance	EN 15534-1:2014 Section 7.7 EN 1383:2016 EN 15534-5:2014 Section 4.5.6	Pull through parameter: 16.6 N/mm²	Test screw of 7.5mm diameter head was used	

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