

SPECIFICATION TEMPLATE

EQUITONE [pictura] Through-colour Fibre Cement

1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication and installation of EQUITONE [pictura] cladding material, complete with all necessary sub-structures, anchors, hardware and fittings to provide a total installation from the structure out.

2. MATERIAL AND FINISHES

Cladding Material:

EQUITONE [pictura] is a solid colour factory prefinished fibre cement cladding panel supplied by Blue Chip Group Pty Ltd (Ph: 08 9451 2344) with a factory applied opaque coloured finish. The sheets are manufactured on a Hatschek machine and are double compressed and air-dried. The coloured facade panels have a smooth matt finish surface with double layer acrylic coating and a UV hardened PU top-coat (front side) to produce a dirt resistant finish. This finish makes a hard surface, scratch resistant and with “anti-graffiti” protection. The rear receives a transparent back-sealing coating.

Colour Selection:

Refer to exterior finishes schedule. (Select colour code/s from the Finishes tab at the below link)
<https://www.bluechipgroup.net.au/natural-cladding-perth/equitone-perth.html>

Material Properties:

EQUITONE [pictura] cladding boards conform to the requirements of EN 12467:2012-12 Fibre cement flat sheets – Product specification and test methods. The results below are presented as defined by the standard.

Technical Properties

Minimum Density	Dry	EN12467	1650	Kg/m ³
Bending Strength Parallel	Ambient	EN12467	26.0	N/mm ²
Bending Strength Perpendicular	Ambient	EN12467	18.5	N/mm ²
Modulus of Elasticity	Ambient	EN12467	12,000	N/mm ²
Hygic Movement	30-95%	-	1.0	mm/m
Water Absorption of uncoated panel	0-100%	-	< 20	%
Moisture content	Air-dried	EN 12467	< 8	%

Classification

Durability classification	EN12467	Category A
Strength classification	EN12467	Class 4
Fire Reaction	EN13501-1	A2-s1, d0
	AS 1530.3	
	<ul style="list-style-type: none"> • Ignitability • Spread of flame • Heat evolved • Smoke developed 	0 0 0 2
	AS/NZS 3837	Group 1
	Average specific extinction area	7.6 m ² /Kg
	Clause C1.12 of the BCA	Deemed non-combustible

Extra Tests

Water Permeability Test	EN12467	Pass	
Warm Water Test	EN12467	Pass	
Soak / Dry Test	EN12467	Pass	
Freeze Thaw Test for Category A Panel	EN12467	Pass	
Heat / Rain Test for Category A Panel	EN12467	Pass	
Dimensional Tolerances	EN12467	Pass	
Thermal Movement		0.01	mm/mK
Thermal Conductivity		0.6	W/mK

Panel Weight (air-dried)

Panel	Weight	2500 x 1250 mm	3100 x 1250 mm
8mm	15.4 kg/m ²	49.9 kg/panel	61.7 kg/panel
12mm	22.8 kg/m ²	73.8 kg/panel	91.4 kg/panel

Tolerances rectified trimmed, in accordance with EN 12467

Thickness	8mm	±0.6mm
	12mm	±0.9mm
	Untrimmed	Trimmed
Length	± 12mm	± 1mm
Width	± 6mm	± 1mm
Squareness	2.5 mm/m	1.0 mm/m

Fixings:

Fasteners, including concealed screws, nuts, bolts and other items required for connecting aluminium to aluminium or aluminium to steel shall be in accordance with AS 3566.2 and of a type to suit its application and exposure conditions.

- Class 1/2: Internal applications.
 Class 3: External applications, moderate industrial and marine applications.
 Class 4: Severe marine applications

All fixing anchors, brackets and similar attachments used in the erections, shall be of aluminium, non-magnetic stainless steel, zinc coated steel, or hot dip zinc galvanised steel.

Dissimilar Materials:

Where two surfaces of dissimilar material come into contact, such surfaces shall be separated with a layer of PVC or Polyethylene tape or powder-coat finish.

Warranty:

EQUITONE shall be covered by a manufacturer's warranty for a minimum period of 10 years. All work to be carried out in accordance with the EQUITONE manufacturer's recommendations and installation details. **Life Expectancy:** 50 years

3. INSTALLATION

The cladding system shall be installed by an approved cladding subcontractor with a demonstrated experience of at least 5 years in the fabrication and installation of pre-finished cladding systems. All work to be carried out in accordance with the EQUITONE manufacturer's recommendations and installation manuals. All component parts shall be installed level, true to line with uniform joints and reveals.

Weather Barrier:

Shall be WEATHER DEFENCE G2 deemed-to-satisfy non-combustible, breathable & water-proof sheathing board tested by a NATA accredited laboratory to AS 1530.1. Install and tape in accordance with AS 4200.2 to all cladding areas.

Sub-framing System:

The sub-framing system to be attached to the main structure in a manner to ensure all applied loadings to the cladding is transferred back to the main structure. Size and spacing of top hat members shall be determined according to applied loads and deflection limitations. Top-hat spacings shall be maximum 600mm to adequately support the cladding system.

Acceptable Sub-framing manufacturers are:

- STUDTEK Facade Framing, 08 9451 2344, sales@bluechipgroup.net.au.

Standards

STUDTEK Zinalume Facade Framing is cold-formed according to AS/NZS:4600 from Zinalume G300 steel which is continuous hot-dipped aluminium/zinc alloy-coated structural steel as per AS:1397.

Panel Edge Treatment:

Treat cut panel edges with LUKO, this is for aesthetic purposes (not a warranty requirement).

Installation System Code:

EQ-08-VRF: Visible UNI Rivet Fix (steel batten only)

EQ-08-VSF: Visible UNI Screw Fix (timber batten only)

EQ-08-CMF: Concealed TUF-S Mechanical Fix

EQ-08-CAF: Concealed Adhesive Fix (please discuss application suitability before specifying)

(PDF & DWG construction details available on request)

(Delete option not required)

Disclaimer:

This Specification provided is generic in nature and is supplied in good faith for Specification guidance purposes only. It is understood that no 2 projects are alike and project specific information and advice should be obtained from necessary engineers, consultants and suppliers on a project to project basis.