SPECIFICATION TEMPLATE
EQUITONE [natura] Through-colour Fibre Cement

1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication and installation of EQUITONE [natura] 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 [natura] is an authentic natural through-coloured fibre cement material supplied by Blue Chip Group Pty Ltd (Ph: 08 9451 2344) with a factory applied semi-transparent coloured finish which results in the structure of fibre cement material shining through. The finished panel surface is smooth, matt, weather-proof and UV-stable. Due to the authentic natural materials used in manufacturing, some differences in shade are to be expected within defined tolerances. 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 [natura] cladding boards conform to the requirements of EN 12467:2012 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/m3
Bending Strength Parallel	Ambient	EN12467	24.0	N/mm²
Bending Strength Perpendicular	Ambient	EN12467	18.5	N/mm²
Modulus of Elasticity	Ambient	EN12467	12,000	N/mm²
Hydric 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 • Ignitability • Spread of flame • Heat evolved • Smoke developed	 0 0 0 2
	AS/NZS 3837 Average specific extinction area	Group 1 7.6 m2/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/m²	49.9 kg/panel	61.7 kg/panel
12mm	22.8 kg/m²	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 Zincalume Facade Framing is cold-formed according to AS/NZS:4600 from Zincalume 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)