



SPECIFICATION TEMPLATE

EQUITONE Through-colour Fibre Cement Panel

1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication, and installation of EQUITONE 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 is an authentic natural through-coloured material supplied by Blue Chip Group Pty Ltd (Ph: 1300 945 123) and as the panel has an honest, pure and natural appearance, colour differences are possible. EQUITONE sheets are manufactured on a Hatschek machine, are double pressed, autoclaved, and calibrated. EQUITONE is made water repellent on the front and back by means of a hydrophobation process (along with clear or opaque surface coating for some finishes) which, combined with LUKO edge sealer applicable to some finishes, prevents moisture ingress into the core of the panel.

Colour Selection:

Refer to exterior finishes schedule.

(Select colour code/s from the 'Colour Chart' tab at the below link)

<http://www.bluechipgroup.net.au/natural-cladding-perth/equitone-perth>

Fire Properties:

EQUITONE is deemed-to-satisfy non-combustible as per the requirements of Volume 1 of NCC 2019, clause C1.9(e)(iv) and NCC 2022, clause C2D10(6)(iv) making it compliant for use as external cladding or internal lining on any building of types A, B & C construction, classes 2-9. EQUITONE is also deemed-to-satisfy non-combustible as per the relevant clauses of NCC Volume 2 for use on any class 1 building.

Fire Testing:

ITEM / TEST	STANDARD	UNIT	RESULT
Non-combustible (DTS)	NCC C1.9(e)(v)	NCC 2019	Pass
Non-combustible (DTS)	NCC C2D10(6)(e)	NCC 2022	Pass
Ignitability Index	AS 1530.3	AWTA	0
Spread of Flame Index	AS 1530.3	AWTA	0
Heat Evolved Index	AS 1530.3	AWTA	0
Smoke Developed Index	AS 1530.3	AWTA	2
Group Number	AS 5637	AWTA	1
Average Heat Release Rate	AS 3837	AWTA	30.3 kW/m ²
Average Specific Extinction Area	AS 3837	AWTA	7.6 m ² /Kg
Fire Reaction	EN 13501-1	Euro Class	A2-s1, d0

Material Properties:

EQUITONE cladding boards conform to the requirements of European standard EN 12467 and Australian standard AS 2908.2 which apply to the production and performance of fibre cement flat sheets, product specifications and test methods. The results below are presented as defined by the above standards. See separate material data sheets for each different EQUITONE product for more specific results and performance measures.



Performance to EN 12467:

ITEM / TEST	STANDARD	RESULT
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

Performance to AS 2908.2:

ITEM / TEST	STANDARD	RESULT
Dimensional and Geometrical Tolerances	AS 2908.2	Compliant
Bending Strength Classification	AS 2908.2	Category 5
Water Permeability Test	AS 2908.2	Compliant
Frost Resistance	AS 2908.2	Compliant
Warm Water Test	AS 2908.2	Compliant
Soak / Dry Test	AS 2908.2	Compliant
Heat / Rain Test	AS 2908.2	Compliant

3. FABRICATION

Technical Manual:

The panels shall be fabricated and installed in accordance with the most recent version of the EQUITONE Technical Documentation which is available online at www.bluechipgroup.net.au or by emailing sales@bluechipgroup.net.au or by calling **1300 945 123**.

Shop Drawings:

Prior to the commencement of fabrication, the approved fabricator shall supply shop drawings for approval. Shop drawings shall indicate all panel and joint layouts and include sectional details.

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 manufacturer's recommendations and installation details. The warranty is subject to the cladding system being fabricated and installed by a trained and approved installer with a minimum 5 years' experience. **Product Life Expectancy:** 50 years



4. INSTALLATION

Installation Details:

The panels shall be fabricated and installed in accordance with the most recent version of the EQUITONE Installation Details which are available online at www.bluechipgroup.net.au or by emailing sales@bluechipgroup.net.au or by calling **1300 945 123**. (Only PDF installation details are available online. For CAD/DWG installation details email or call as above).

General Guidelines:

All fixing and joint details shall be designed to provide for the expected thermal and structural movements. Apply a suitable weather seal gasket to all vertical panel joints and a horizontal backing strip to all horizontal joints. Use a suitable sealant for the corners, horizontal joints and other areas as required to ensure weatherproofing. Ensure adequate spacing at the top and bottom of the façade wall to allow required ventilation. All component parts shall be installed level, true to line with uniform joints and reveals.

5. SYSTEM COMPONENTS

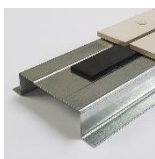
Insulated Façade System - OPTIONAL:

For an optional exterior insulated façade system use BICEP façade system along with IROCK non-combustible insulation to achieve an engineered exterior insulation zone.



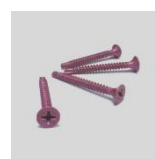
Sub-framing System:

The sub-framing system shall be STUDTEK steel top-hat Façade System attached to the main structure (or BICEP Façade System) in a manner to ensure all applied loadings to the cladding is transferred back to the main structure. Spacing of top hat members shall be determined according to applied loads and deflection limitations for any given project. Top-hat centres shall be maximum 600mm or as required to adequately support the cladding system.



Weather Barrier:

Shall be either PRO CLIMA Solitex Extasana Flexible Membrane or WEATHER DEFENCE rigid air barrier board as per EQUITONE system testing to AS 4284. In either case, install weather barrier in accordance with manufacturer's recommendations and in accordance with AS 4200.2 behind all cladding areas for DTS weatherproofing compliance as per NCC 2022 clause F3D3.





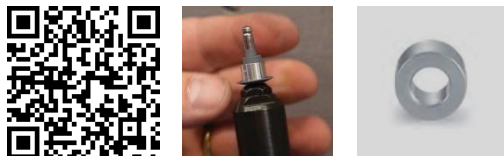
Specialist Tools:

All fabrication and installation of EQUITONE shall be carried out using proprietary specialist tools supplied by Blue Chip Group Pty Ltd and used in strict accordance with manufacturer's recommendations and relevant OH&S precautions.



Rivets & Screws for Visible Mechanical Fixing:

Shall be proprietary EQUITONE fixing systems supplied by Blue Chip Group Pty Ltd and used strictly in accordance with manufacturer's recommendations along with relevant specialist tools.



Rivets for Hidden Mechanical Fixing:

Shall be proprietary TUF-S hidden rivet system supplied by Blue Chip Group Pty Ltd and used in combination with a suitable hanger and rail system and relevant specialist tools all in accordance with manufacturer's recommendations and relevant project specific engineering.



Adhesive Fixing System (Internal Only):

Shall be the SIKATAK system supplied by Blue Chip Group Pty Ltd and used strictly in accordance with manufacturer's recommendations for preparation and application.

