



## SPECIFICATION TEMPLATE

NATURION Non-combustible Natural Finish Panel

### 1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication, and installation of NATURION 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:

NATURION is a non-combustible natural finish panel 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. NATURION sheets are manufactured on a Hatschek machine, are double pressed, autoclaved, and calibrated. NATURION is made water repellent on the front and back by means of a hydrophobation process, along with clear or opaque surface coating depending on the finish, which combined with LUKO edge sealer, prevents moisture ingress into the core of the panel.

#### Colour Selection:

Refer to exterior finishes schedule.

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

[NATURION Non-combustible Natural Finish Panel](#)

#### Fire Properties:

NATURION 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.

NATURION 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 <sup>2</sup>
Average Specific Extinction Area	AS 3837	AWTA	7.6 m <sup>2</sup> /Kg
Fire Reaction	EN 13501-1	Euro Class	A2-s1, d0

#### Material Properties:

NATURION 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 NATURION 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 NATURION Technical Documentation which is available online at [www.bluechipgroup.net.au](http://www.bluechipgroup.net.au) or by emailing [sales@bluechipgroup.net.au](mailto: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:

NATURION 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 NATURION Installation Details which are available online at [www.bluechipgroup.net.au](http://www.bluechipgroup.net.au) or by emailing [sales@bluechipgroup.net.au](mailto: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 insulated façade system use BICEP façade brackets and support profiles with IROCK non-combustible insulation to achieve an engineered acoustic and thermal barrier.



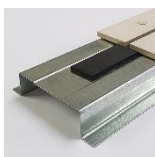
### Sarking:

The sarking shall be ULTRAPERM vapour permeable membrane which is; deemed-to-satisfy 'non-combustible' as per NCC 2022 Clause C2D10(6)(f), is AS 4200.1 compliant and classified as a 'water barrier' as per NCC 2022 Clauses F3D3 and F8D3(1), is classified as 'class 4 vapour permeable' for compliant use in all climate zones 1-8 as per NCC 2022 Clauses F8P1 and F8D3(2), and is installed in accordance with AS 4200.2 for deemed-to-satisfy weatherproofing.



### Sub-framing System:

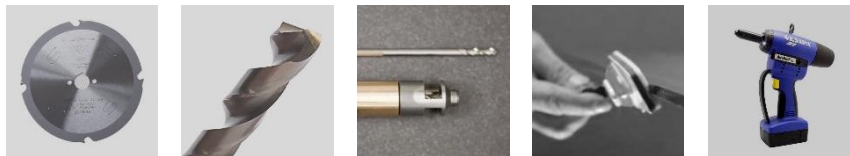
The sub-framing system shall be STUDTEK steel top-hat Façade System attached to the main structure (or BICEP Façade System) in a manner to ensure all applied loadings to the cladding is transferred back to the main structure. Spacing of top hat members shall be determined according to applied loads and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





**Specialist Tools:**

All fabrication and installation of NATURION 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 EUROFIX 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 SIKATACK system supplied by Blue Chip Group Pty Ltd and used strictly in accordance with manufacturer's recommendations for preparation and application.

