SPECIFICATION TEMPLATE
ULTRAWOOD Non-combustible Timber Battens

1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication and installation ULTRAWOOD Non-combustible Aluminium Battens, complete with all necessary sub-structures, anchors, hardware and fittings to provide a total installation and battens system from the structure out.

2. MATERIAL AND FINISHES

Battens Material:
Aluminium battens shall be supplied by Blue Chip Group Pty Ltd (Ph: 1300 945 123) comprising of solid extruded pre-finished aluminium 2-piece battens system which are minimum 6063-T5 series marine-grade aluminium alloy.

NO ALTERNATIVE MATERIALS WILL BE ACCEPTED FOR THIS PROJECT

Colour Selection:
Refer to exterior finishes schedule.
(Select colour code/s and request samples from the **'Colour Chart'** tab at the below link)
ULTRAWOOD Non-combustible Timber Battens

Fire Properties:
Manufactured by Blue Chip Group Pty Ltd; ULTRAWOOD is a DTS Non-Combustible product in accordance with the BCA/NCC when tested to AS1530.1 and AS1530.3.

Timber-look Coating:

ITEM	TEST STANDARD	UNIT	RESULT
Non-combustible	AS 1530.1	CSIRO	Pass
Non-combustible (DTS) – NCC 2019	NCC C1.9(e)(v)	CSIRO	Pass
Non-combustible (DTS) – NCC 2022	NCC C2D10(6)(e)	CSIRO	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*	0-1
Group Number	AS 5637	AWTA*	1

Standard Powder Coating Colours:

ITEM	TEST STANDARD	UNIT	RESULT
Non-combustible	AS 1530.1	CSIRO	Pass
Non-combustible (DTS) – NCC 2019	NCC C1.9(e)(v)	CSIRO	Pass
Non-combustible (DTS) – NCC 2022	NCC C2D10(6)(e)	CSIRO	Pass
Ignitability Index	AS 1530.3	CSIRO*	0
Spread of Flame Index	AS 1530.3	CSIRO*	0
Heat Evolved Index	AS 1530.3	CSIRO*	0
Smoke Developed Index	AS 1530.3	CSIRO*	3
Group Number	AS 5637	AWTA*	1

*Always check the AS 1530.3 certificate to ensure the finish was applied to the aluminium prior to conducting the testing. Note that this does NOT apply to the AS 1530.1 testing.

Physical Properties – Aluminium Extrusion:

ITEM	TEST STANDARD	UNIT	RESULT
Alloy Grade / Temper	Actual	-	6063 T5
Material Density	Actual	Kg/m3	2,709
Thermal Expansion	Actual	mm/m/°C	0.025

3. FABRICATION

Aluminium Extrusion:
The panels manufactured by Blue Chip Group Pty Ltd shall be produced to the chemical composition, mechanical properties, and dimensional tolerances in accordance with AS 1866.

Timber-look & Powder Coating:
The panels manufactured by Blue Chip Group Pty Ltd shall have all coatings applied in accordance with AS 3715, the Australian standard for 'Metal Finishing – Thermoset powder coating for architectural applications of aluminium and aluminium alloys' which sets out the requirements for pre-treatment, application, and performance of powder coatings on aluminium substrates. Finish, grain, colour tone and gloss level are subject to variation between profiles within batches and batches overall and may vary from samples provided. Internal corners may not have wood finish due to sharpness of the corner which may result in a lighter colour line. Recesses will have limited coverage. Finish and performance should be viewed with a comparison to natural timber in mind. Each profile will be unique; timber grain will never be perfect or consistent and minor imperfections such as slightly darker or lighter lines or blemishes in similar tone to the main finish are to be expected. Any other variance in finish not visible to the naked eye when inspected from 3m distance at 90 degrees to the material surface will be acceptable.

Anodised Finish:
The panels manufactured by Blue Chip Group Pty Ltd shall be anodised in accordance with AS 1231, the Australian standard for architectural anodising, which outlines the requirements anodised facades must meet to withstand different environmental requirements

Warranty:
ULTRAWOOD 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 battens system being fabricated and installed by a manufacturer trained and approved installer with a minimum 5 years' experience.

4. INSTALLATION

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

Installation Details:
The panels shall be fabricated and installed in accordance with the most recent version of the ULTRAWOOD Battens Install 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:
ULTRAWOOD Battens can be installed either vertically in a wall or screen application or horizontally in a patio, suspended ceiling or soffit application. For secret fixing use the proprietary base clip which is fixed to the structure before clipping the batten into place, mating the two together. Alternatively use the proprietary U-channel which is fixed to the structure before installing the batten inside the U-channel and securing it with fixings through the side of the U-channel into the battens side walls. Proprietary end caps should be mechanically fixed to both ends of each batten using colour-matched screws.

5. SYSTEM COMPONENTS

Colour-matched Screws:
End caps shall be mechanically fixed with minimum of 2 x ULTRAFIX colour-matched screws per end cap supplied by Blue Chip Group Pty Ltd and screwed into the 2 x screw flutes at each end of each batten

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

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 as required to ensure against bimetallic corrosion.