



BLUECHIP

Metal Cladding

ULTRACORE IQ

# Product Brochure

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# ULTRACORE IQ

## Intelligent Non-combustible Core Panel

### Description

ULTRACORE IQ intelligent core panel is Deemed-to-Satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 as per the requirements of the NCC 2022, Clause C2D10(6)(g) and installed using the mechanical cassette-fix system as per NCC 2022, Clause C2D15(1). It has also been tested by Exova Warringtonfire to BS 8414 and AS 5113 full-scale testing to prove it does not contribute to the spread of fire. Visually, ULTRACORE IQ intelligent non-combustible core panel looks the same as traditional aluminium composite panel but with zero combustible core content (0%) meaning it achieves the lowest risk rating, category D, from the Insurance Council of Australia.

### Product Benefits



#### PROVEN V-GROOVE DURABILITY

Unlike 3mm SOLID aluminium, ULTRACORE IQ has 40 years of proven durability when using the common v-groove folding system. This is because the front skin is not impacted when v-grooving, as has always been intended.



#### LESS THERMAL CONDUCTIVITY

ULTRACORE IQ aluminium core panel has thermal conductivity of 2.54 W/mK compared to 205 W/mK for SOLID aluminium panel. This means 80x less heat transfer into the building for greater fire safety and section J compliance.



#### AS 1530.1 NON-COMBUSTIBLE

ULTRACORE IQ is one of the few aluminium panels globally that is Deemed-to-Satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 in accordance with the NCC 2022 Clause C2D10(6)(g) requirements.



#### MECHANICAL CASSETTE-FIXING

Compared to a SOLID aluminium panel, ULTRACORE IQ is faster and easier to fabricate using the well-proven z-angle cassette-fix system making it more cost effective and compliant with C2D15(1).



#### AS 5113 FIRE TESTING

ULTRACORE IQ is Deemed-to-Satisfy non-combustible so does not require further testing. However it has been tested to AS 5113 full-scale testing by Exova Warringtonfire, proving it does not contribute to the spread of fire.



#### OIL-CANNING RESISTANCE

Oil-canning is the uneven distribution of tension in SOLID aluminium panels which results in a rippling effect on the facade. The superior mechanical properties of ULTRACORE IQ guarantees against oil-canning.



#### ZERO POLYETHYLENE (0%)

Unlike most other aluminium panel products including FR, Plus, A2 and NC type panels, the ULTRACORE IQ aluminium core contains ZERO percent flammable polyethylene (0%) and each lamina is 100% non-combustible.



#### LESS CARBON, LESS WEIGHT

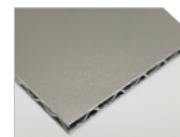
ULTRACORE IQ intelligent core panel is 100% recyclable and uses 50% less aluminium per m<sup>2</sup> than 3mm SOLID aluminium for much less carbon footprint. It is also 50% lighter for significant structural and labour savings.

### INSTALL & TECHNICAL

For installation and technical information, scan the QR code and view 'Downloads' tab.



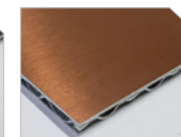
### Product Range



ULTRACORE IQ  
Metallic Colours



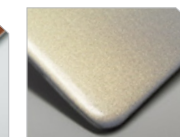
ULTRACORE IQ  
Solid Colours



ULTRACORE IQ  
Anodised Colours



ULTRACORE IQ  
Timber & Metal  
Imitation Colours



ULTRACORE IQ  
Chromatic Colours

### Availability

DESCRIPTION	SHEET SIZES	LEAD TIME	MOQ
ULTRACORE IQ Metallic Stock Colours UC9701, UC9205, UC9134, UC9137, UC9308, UC4150, UC5292, UC9809	2500, 3200, 4000 x 1500mm	Stock	1 Sheet
ULTRACORE IQ Solid Stock Colours UC1005, UC1025, UC9902, UC1255, UC1270, UC9130, UC1590, UC1460, UC1140, UC1190, UC1677	2500, 3200, 4000 x 1500mm	Stock	1 Sheet
ULTRACORE IQ Non-stock, BCG & Custom Colours	2500, 3200, 4000 x 1250mm 2500, 3200, 4000 x 1500mm	10-12 Weeks	300m <sup>2</sup>
ULTRACORE IQ Anodised	2500, 3200, 4000 x 1250mm 2500, 3200, 4000 x 1500mm	16-19 weeks	300m <sup>2</sup> *
ULTRACORE IQ Timber Imitations, Metal Imitations, Matt Colours	Information provided on request		

(\* ) 300m<sup>2</sup> Per WIDTH (1250mm OR 1500mm)

### Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
UZLW58	ULTRAFIX 24mm Long Z-angle (Powdercoated White), 5.8m Length	Stock	20 Lengths
UZSM58	ULTRAFIX 22mm Short Z-angle (Mill Finish), 5.8m Length	Stock	20 Lengths
US4020358	ULTRAFIX 40 x 20 x 3mm RHS Stiffener (Mill Finish), 5.8m Length	Stock	1 Length
TT704412	BLUECHIP 7044 ACXplus 12mm Stiffener Tape, 25m Roll	Stock	1 Roll
TT60040	BLUECHIP Tesa Industry Cleaner, 500ml Can	Stock	1 Can
TT60150	BLUECHIP Tesa Adhesion Promoter, 100ml Can	Stock	1 Can

### System Components



Facade System



AS 1530.1 Insulation



Class 4 Membrane



Steel Top-hats



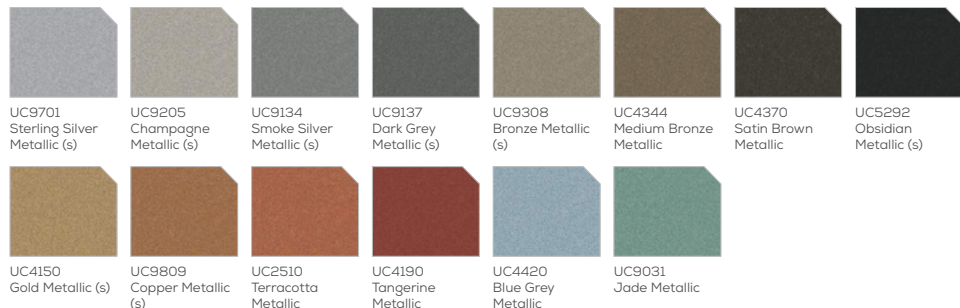
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# ULTRACORE IQ

## Colour Chart

(s) after colour names indicates stock colours.  
All other colours require lead times and minimum order quantities.

### Metallic Colours



### Solid Colours



### Custom Corporate Colours



#### UNLIMITED CUSTOM COLOURS

ULTRACORE IQ has unlimited colour options, we are able to match any colour from any other colour range. With small MOQ's and fast lead times you can realise your vision.



# ULTRACORE IQ

## Colour Chart

### Anodised Colours



UCA063 Flinders Chase    UCA162 Pebbly Beach    UCA630 Fairy Cove    UCA118 Apsley River    UCA036 Coomera Falls    UCA133 Misty Creek    UCA181 Red Lily    UCA316 Cocoparra



UCA165 Pinnacle    UCA029 Bondi    UCA105 Joffre

### Anodised Brushed Colours



UCA232 Whitsunday    UCA111 Kosciuszko    UCA194 Sandy Desert    UCA916 Springbrook    UCA313 Cradle Mountain    UCA045 Daintree    UCA132 Murray Sunset    UCA139 Mimosa Rocks

### Timber Imitations



UC8345 Mountain Ash    UC8310 Rustic Pine    UC8320 Unique Beli    UC8340 Vintage Walnut    UC8355 Elegant Teak    UC8385 Ascot Teak    UC8650 Noble Bloodwood    UC8395 Polished Rengas

### Metal Imitations



UC2200 Brushed Silver    UC5220 Zinc Dark    UC5260 Zinc Charcoal

### Chromatic Colours



UC7090 Chromatic Golden Snow    UC7430 Chromatic Sunset Purple    UC7350 Chromatic Rustic Bronze    UC7290 Chromatic Galaxy Silver    UC7480 Chromatic Indigo Violet    UC7450 Chromatic Oriental Silk    UC7490 Chromatic Tropical Ocean    UC7510 Chromatic Martian Green



UC7160 Chromatic Antique Gold    UC7170 Chromatic Honey Gold    UC7180 Chromatic Tiger Orange    UC7190 Chromatic Sahara Copper





We've Got It Covered



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