**ULTRACORE**

**Non-combustible Aluminium Core Panel**

**Description**

ULTRACORE manufactured by BLUECHIP is a Deemed-to-Satisfy (DtS) non-combustible aluminium panel when tested to AS 1530.1 and AS 1530.3 as per the requirements of the NCC 2019, Clause C1.9(e)(vii). It has also been tested by Exova Warringtonfire to BS 4414 and AS 5113 full-scale testing, proving it does not contribute to the spread of fire. Visually, ULTRACORE aluminium 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 SOLID aluminium panels, ULTRACORE can demonstrate 40 years of proven corner durability when using the common v-groove folding system. This is because the front skin is not impacted when v-grooving.
- **LESS THERMAL CONDUCTIVITY**: ULTRACORE 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 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 2019 Clause C1.9(a)(vii) requirements.
- **FASTER FABRICATION TIME**: Compared to solid aluminium panel, ULTRACORE panel is much more cost-effective, faster and easier to fabricate on CNC machines using the well-proven z-angle cassette system with concealed mechanical fixings.
- **AS 5113 FIRE TESTING**: ULTRACORE 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 guarantees against oil-canning.
- **ZERO POLYETHYLENE (0%)**: Unlike most other aluminium panel products including FR, Plus and NC type panels, the ULTRACORE aluminium core panel contains ZERO percent flammable polyethylene (0%) and each lamina is 100% non-combustible.
- **LESS CARBON FOOTPRINT**: ULTRACORE aluminium core panel uses approximately 50% less aluminium per m² than SOLID aluminium panels for much less carbon footprint and it is 50% lighter for significant structural and labour savings.

**Availability**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SHEET SIZES</th>
<th>LEAD TIME</th>
<th>MOQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTRACORE Metallic Stock Colours</td>
<td>2500, 3200, 4000 x 1500mm</td>
<td>Stock</td>
<td>1 Sheet</td>
</tr>
<tr>
<td>ULTRACORE Solid Stock Colours</td>
<td>2500, 3200, 4000 x 1500mm</td>
<td>Stock</td>
<td>1 Sheet</td>
</tr>
<tr>
<td>ULTRACORE Non-stock, BCG &amp; Custom Colours</td>
<td>2500, 3200, 4000 x 1250mm</td>
<td>8-10 Weeks</td>
<td>300m²</td>
</tr>
<tr>
<td>ULTRACORE Matt, Sparkling, Chromatic &amp; Imitation Colours</td>
<td>2500, 3200, 4000 x 1250mm</td>
<td>8-10 Weeks</td>
<td>300m²</td>
</tr>
</tbody>
</table>

**System Components**

- **FINESPAN**: AS 1530.1 Sarking
- **STUDEK**: Steel Sub-framing
- **EXTRUSIONS**: Z-angles & Trims
- **TAPE & GASKETS**: Foil & Foam Tapes
- **JOINT SEALANT**: Prolastik & Sikaflex

**Install & Technical**

For installation and technical information, scan the QR code and view ‘Downloads’ tab.
ULTRACORE

Colour Chart

Metallic Colours

Solid Colours

BCG Colours

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

ULTRACORE 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**

**Colour Chart**

**Matt Colours**
- UCM884 Matt Silver
- UCM885 Matt White
- UCM886 Matt Pearl
- UCM003 Matt Ivory
- UCM004 Matt Bronze
- UCM003 Matt Copper
- UCM002 Matt Gold

**Sparkling Colours**
- UC7020 Sparkling White Gloss
- UC7205 Sparkling Light Grey
- UC7200 Sparkling Dark Grey
- UC7205 Sparkling Black Gloss

**Chromatic Colours**
- UC7000 Chromatic Golden Snow
- UC7430 Chromatic Sunset Purple
- UC7390 Chromatic Rustic Bronze
- UC7290 Chromatic Galaxy Silver
- UC7480 Chromatic Indigo Violet
- UC7450 Chromatic Oriental Silk
- UC7490 Chromatic Tropical Ocean
- UC7520 Chromatic Martian Green
- UC7560 Chromatic Antique Gold
- UC7570 Chromatic Honey Gold
- UC7180 Chromatic Tiger Orange
- UC7090 Chromatic Saharo Copper

**Timber Imitations**
- UC8310 Rustic Pine
- UC8320 Unique Beli
- UC8340 Vintage Walnut
- UC8355 Elegant Teak
- UC8385 Ascot Teak
- UC8650 Noble Bloodwood
- UC8395 Polished Rengas

**Stone Imitations**
- UC6305 Travertine Calico Cream
- UC6310 Granite Magenite Black
- UC6315 Travertine Atlas Beige
- UC6305 Granite Aurora Barge
- UC6385 Marble Cashmere Beige
- UC6060 Marble Pearl White

**Metal Imitations**
- UC5220 Zinc Dark
- UC5260 Zinc Charcoal
- UC5150 Brass Copper
- UC2200 Brushed Silver
- UC5090 Brass Copper

**UNLIMITED CUSTOM COLOURS**
ULTRACORE has unlimited colour options, we can able to match any colour from any other colour range. With small MOQ’s and fast lead times you can realise your vision.
We’ve Got It Covered

Natural Cladding
Metal Cladding
Timber Cladding

Building Supplies
Decking Products
Insulation Products

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