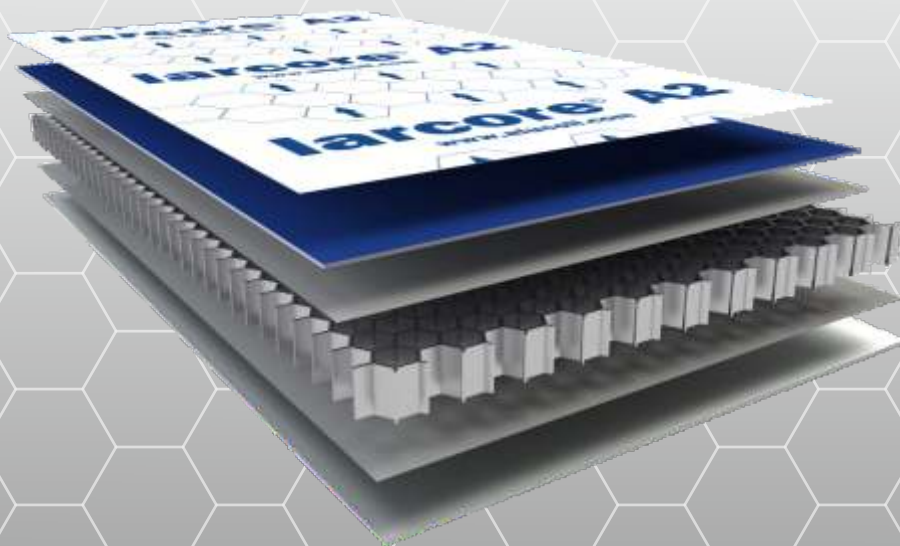


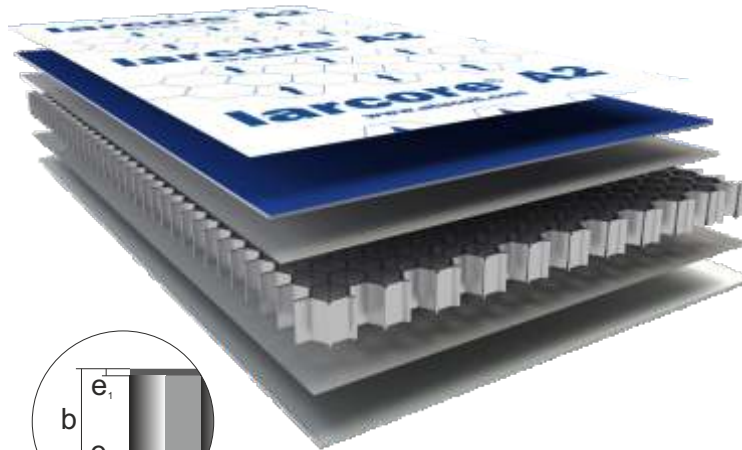


**ALUMINIUM HONEYCOMB PANELS
FOR ARCHITECTURAL ENVELOPES**

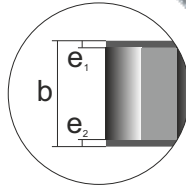
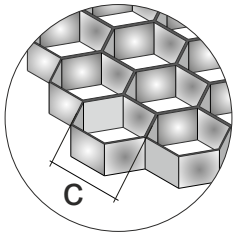


larcore® A2

by Alucoil™



1. Protective film
2. **Aluminium**
3. Bonding layer
4. **Aluminium Honeycomb Core**
3. Bonding layer
5. **Aluminium**



Through a proprietary continuous manufacturing process, **Alucoil®** manufactures its structural aluminum honeycomb panel **larcore® A2** to fit perfectly in numerous sectors such as architectural, marine, railway and industrial applications. It is an extremely lightweight and rigid panel which is fire proof, non-toxic, recyclable, insulating and energy efficient. **larcore® A2** has the widest range of coated finishes in the market from the highest quality in liquid PVdF 70% Kynar 500 2 layers with **COASTAL PRIMER** 31µ or 3 layers 37µ.

PANEL FEATURES	larcore® A2	larcore® A2
Panel thickness "b"	6 ±0,2 (mm)	14 ±0,2 (mm)
Aluminium sheet thickness "e ₁ "	0,7 (mm)	0,7 (mm)
Aluminium sheet thickness "e ₂ "	0,5 (mm)	0,7 (mm)
Aluminium alloy	5005 EN 573-3	5005 EN 573-3
Panel weight	4,19 (kg/m ²)	5,17 (kg/m ²)
Moment of inertia "I"	0,40 ⁽¹⁾ (cm ⁴ /m) DIN 53293	7,13 ⁽¹⁾ (cm ⁴ /m) DIN 53293
Rigidity "EI"	2825 ⁽¹⁾ (kNcm ² /m) DIN 53293	49915 ⁽¹⁾ (kNcm ² /m) DIN 53293
Section modulus "W"	1,19 ⁽¹⁾ (cm ³ /m) DIN 53293	10,19 ⁽¹⁾ (cm ³ /m) DIN 53293
Sound reduction "R _w "	18,85 ⁽²⁾ (dB) ISO 717-1	21 (dB) ISO 717-1
Acoustic isolation "R _A "	19,54 ⁽²⁾ (dBA) ISO 10140-2	21 (dBA) ISO 10140-2
Thermal resistance "R"	0,0067 ⁽²⁾ (m ² K/W)	0,008 ⁽²⁾ (m ² K/W)
Standard width	1000 ⁺² ₋₀ / 1250 ⁺² ₋₀ / 1500 ⁺² ₋₀ / 2000 ⁺² ₋₀ (mm)	1000 ⁺² ₋₀ / 1250 ⁺² ₋₀ / 1500 ⁺² ₋₀ / 2000 ⁺² ₋₀ (mm)
Min. / max. length	2000 ⁺⁶ ₋₀ - 14000 ⁺⁶ ₋₀ (mm)	2000 ⁺⁶ ₋₀ - 14000 ⁺⁶ ₋₀ (mm)
Cell size "C"	1/4" / 6,35mm	1/4" / 6,35mm
Foil thickness	50 (µ)	50 (µ)

⁽¹⁾Value measured in the transversal axis. ⁽²⁾Sound reduction, Acoustic isolation and thermal resistance not tested in any panel thickness

CORE CHARACTERISTICS

Aluminium alloy	3005 (EN 573-3)
Compression resistance	2,2 (MPa)
Core density	56 (kg/m ³)
Protective primer	OK

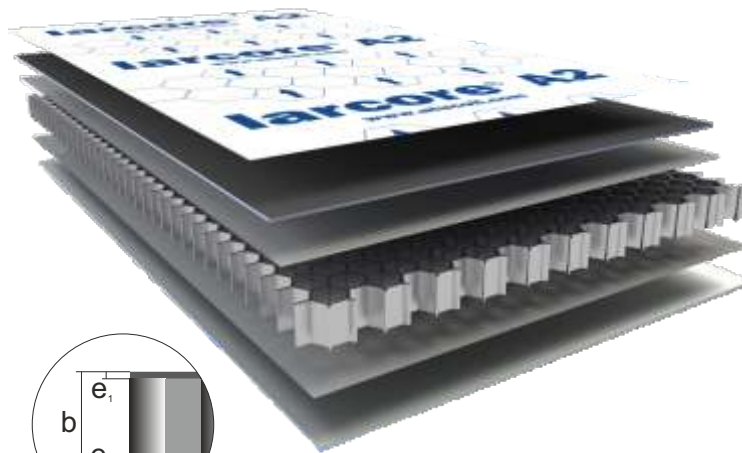
FINISHES

Coated surface	a) PVdF 70% kynar 500 2 layers COASTAL PRIMER 31µ b) PVdF 70% kynar 500 3 layers 37µ
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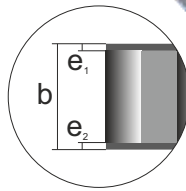
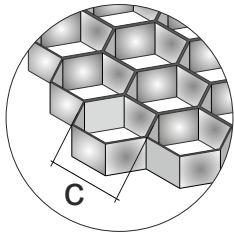
- Extended technical data sheet available upon request -

larcove® A2 Metals Zinc

by Alucoil®



1. Protective film
2. **Zinc**
3. Bonding layer
4. **Aluminium Honeycomb Core**
5. Bonding layer
6. **Zinc**
7. Protective film



Panel formed by two exterior **Zinc skins** of 0,5 mm thickness and an internal **Aluminium Honeycomb Core**. The panel is manufactured in 7 colours, Slate, Red, Blue, Ebony, Brown, Green and Gold

PANEL FEATURES

larcove® A2 Metals Zinc

Panel thickness "b"	15 ±0,2 (mm)
Aluminium sheet thickness "e ₁ "	0,5 (mm)
Aluminium sheet thickness "e ₂ "	0,5 (mm)
Alloy	Z1 (>99,995) % EN 988, Z1 according to EN 1179
Panel weight	8,66 (kg/m ²)
Moment of inertia "I"	9,58 ⁽¹⁾ (cm ⁴ /m) DIN 53293
Rigidity "EI"	86221 ⁽¹⁾ (kNcm ² /m) DIN 53293
Section modulus "W"	12,77 ⁽¹⁾ (cm ³ /m) DIN 53293
Standard width	1000 ⁺³ (mm)
Min. / max. length	2000 ⁺⁶ - 8000 ⁺⁶ (mm)
Cell size "C"	1/4" / 6,35mm
Foil thickness	50 (μ)

⁽¹⁾Value measured in the transversal axis. ⁽²⁾Sound reduction, Acoustic isolation and thermal resistance not tested in any panel thickness

CORE CHARACTERISTICS

Aluminium alloy	3005 (EN 573-3)
Compression resistance	2,2 (MPa)
Core density	56 (kg/m ³)
Protective primer	OK

FINISHES

Zinc	Slate, Red, Blue, Ebony, Brown, Green and Gold
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- Extended technical data sheet available upon request -

larcore® A2 Metals Zinc
Zinc Red / Zinc Green / Zinc Slate
Orygen Hospital -Melbourne-
Architect: BLP



larcore® A2 - BBVA Headquarter
Madrid -Spain-
Architect: Herzog & de Meuron



INSTALLATION SYSTEM & FIRE CLASS ARCHITECTURAL

HideTech® systems developed by **Alucoil®** are the perfect compliment for all kinds of projects, providing every element required for an installation with **Alucoil's** guarantee for supporting specific loads and requirements in each case. **larcore® A2** used in external outdoor facades must be installed with a riveted perimeter double edge closing system or any other solution which guarantees the water tightness of the panel under the customer's responsibility.

EUROPE [EN 13501-1:2007] **A2-s1,d0**

AUSTRALIA [AS/NZS 1530.3-1999]-[AS/NZS 3837-1998]

USA [ASTM E84] - [NFPA285]



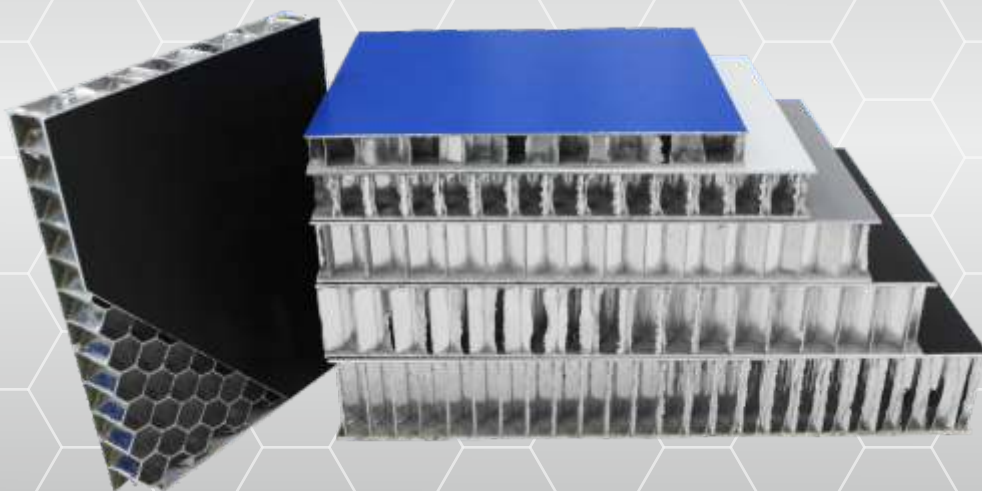
CE **larcore® A2** 14mm **HideTech® PLUS** / ETA 16-0274
larcore® A2 Metals Zinc 15mm **HideTech® PLUS** / ETA 16-0287

larcore® A2 14 mm **HideTech® PRO** - FIRE CLASS ARCHITECTURAL **A2-s1,d0** (EN 13501-1)

larcore® A2 - Marriot Courtyard
Batumi -Georgia-
Architects: XYZ Integrated Architecture




larcore[®]
by Alucoil[®]



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