

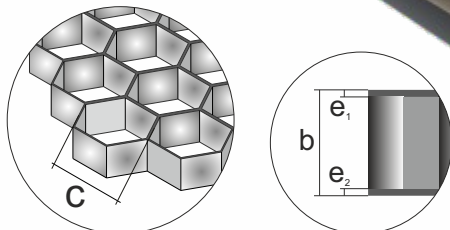
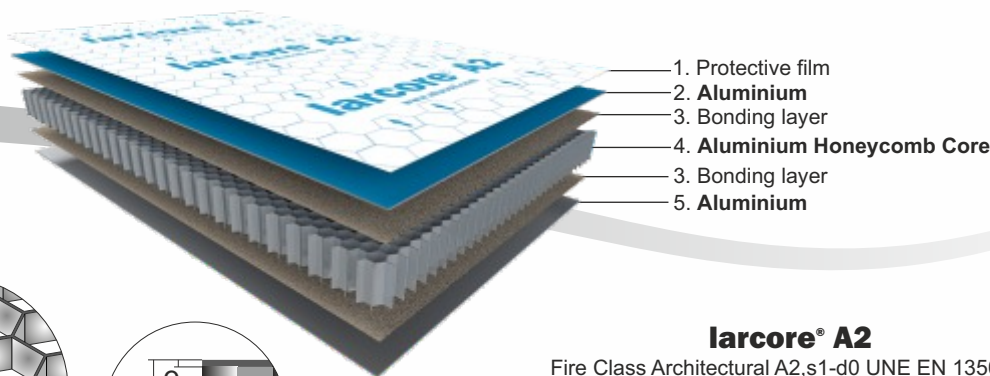


Iarc core[®] A2
by Alucoil[®]

Aluminium Honeycomb Panels for Architectural Wall Cladding



Alucoil[®]
Grupo Alibérico



larcove® A2

Fire Class Architectural A2,s1-d0 UNE EN 13501-1

Composition

Through a proprietary continuous manufacturing process, **Alucoil®** manufactures its structural aluminum honeycomb panel **larcove® 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.

Achieved through an intensive R&D development, **larcove® A2** is the perfect panel for large modulation projects with a restricted supports number due to specific structural conditions. All these **larcove® A2** features are completed by the possibility of choosing among an infinite range of finishes.

Panel features

8 [mm]	Total thickness "b"	14 [mm]
0,7 [mm]	Metal thickness "e ₁ "	0,7 [mm]
0,7 [mm]	Metal thickness "e ₂ "	0,7 [mm]
5005	Alloy	5005
4,83 [kg/m ²]	Panel weight	5,17 [kg/m ²]
1,35 [cm ⁴ /m]	Moment of inertia (*) "I"	7,13 [cm ⁴ /m]
9421 [kNcm ² /m]	Rigidity (*) "EI"	49916 [kNcm ² /m]
3,36 [cm ³ /m]	Section modulus (*) "W"	10,19 [cm ³ /m]
19,5 [dB]	Sound reduction "R _w "	21 [dB]
19,95 [dBA]	Acoustic isolation "R _A "	21 [dBA]
0,007 [m ² K/W]	Thermal resistance "R"	0,008 [m ² K/W]
1000 / 1250 / 1500 / 2000 [mm]	Standard width	1000 / 1250 / 1500 / 2000 [mm]
2000 - 14000 [mm]	Min / max length	2000 - 14000 [mm]
1/4" / 6,35mm	Cell size "C"	1/4" / 6,35mm
50 [μ]	Thickness foil	50 [μ]

(*) Value measured in the transversal axis

Core characteristics

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

Finishes

a) PVdF 70% kynar 500 2 layers with PRIMER COASTAL 31μ	Coated surface	a) PVdF 70% kynar 500 2 layers with PRIMER COASTAL 31μ
b) PVdF 70% kynar 500 3 layers 37μ		b) PVdF 70% kynar 500 3 layers 37μ

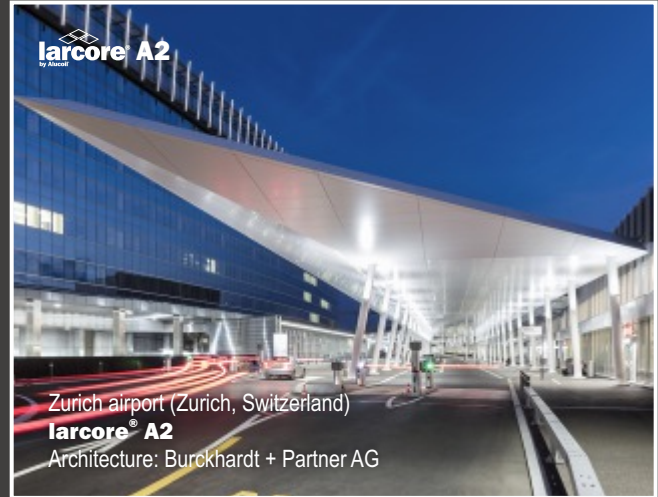


Iarcocore® A2 for use on outdoor façades must be installed with the **HideTech® PLUS** system certified with ETE / ETA (double edging and perimeter riveting) or with system for watertight panel solution.

CERTIFICATES OF THE INSTALLATION SYSTEM

HideTech® PLUS system - Iarcocore® A2
European Technical Assessment - ETA 16/0274 of 05/2016

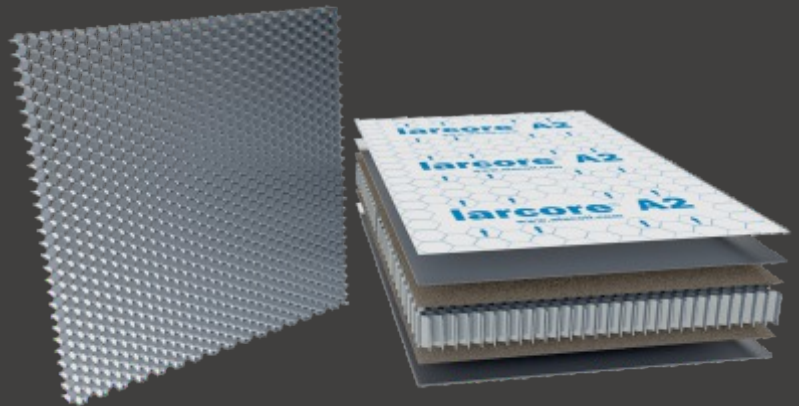
HideTech® PLUS system - Iarcocore® A2 & elZinc®
European Technical Assessment - ETA 16/0274 of 05/2016



Zurich airport (Zurich, Switzerland)
Iarcocore® A2
Architecture: Burckhardt + Partner AG



BBVA BANK Headquarters (Madrid, Spain)
Iarcocore® A2
Architecture: Herzog & de Meuron



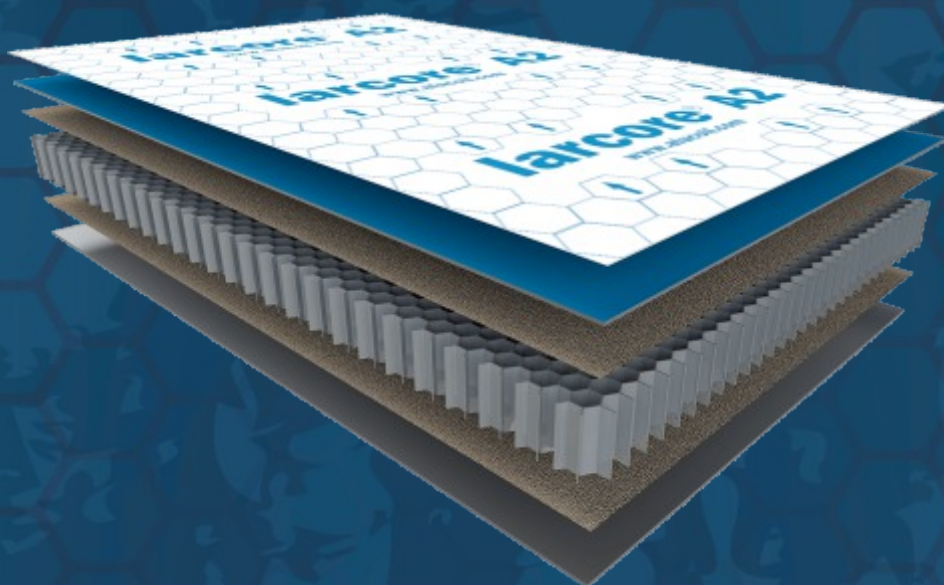
Aluminium Honeycomb Core

Fire class architectural

- EUROPE [EN 13501-1:2007] **A2-s1,d0**
- FRANCE [NF P 92501] **M0** - [NF F 16-101] **F1**
- CANADA **ULC S135**
- AUSTRALIA [AS/NZS 1530.3-1999]-[AS/NZS 3837-1998] **(0-0-0-2)**
- USA [ASTM E84] Flame-Spread Index: 0 - Smoke-Developed Index: 0

HideTech® & HideTech® PLUS system developed by **Alucoil®** is the perfect complement for all kind of projects, providing every element required for an installation with **Alucoil®** guarantee and supporting specific loads and requirements for each case.


Iarc core[®] A2
by Alucoil[™]



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