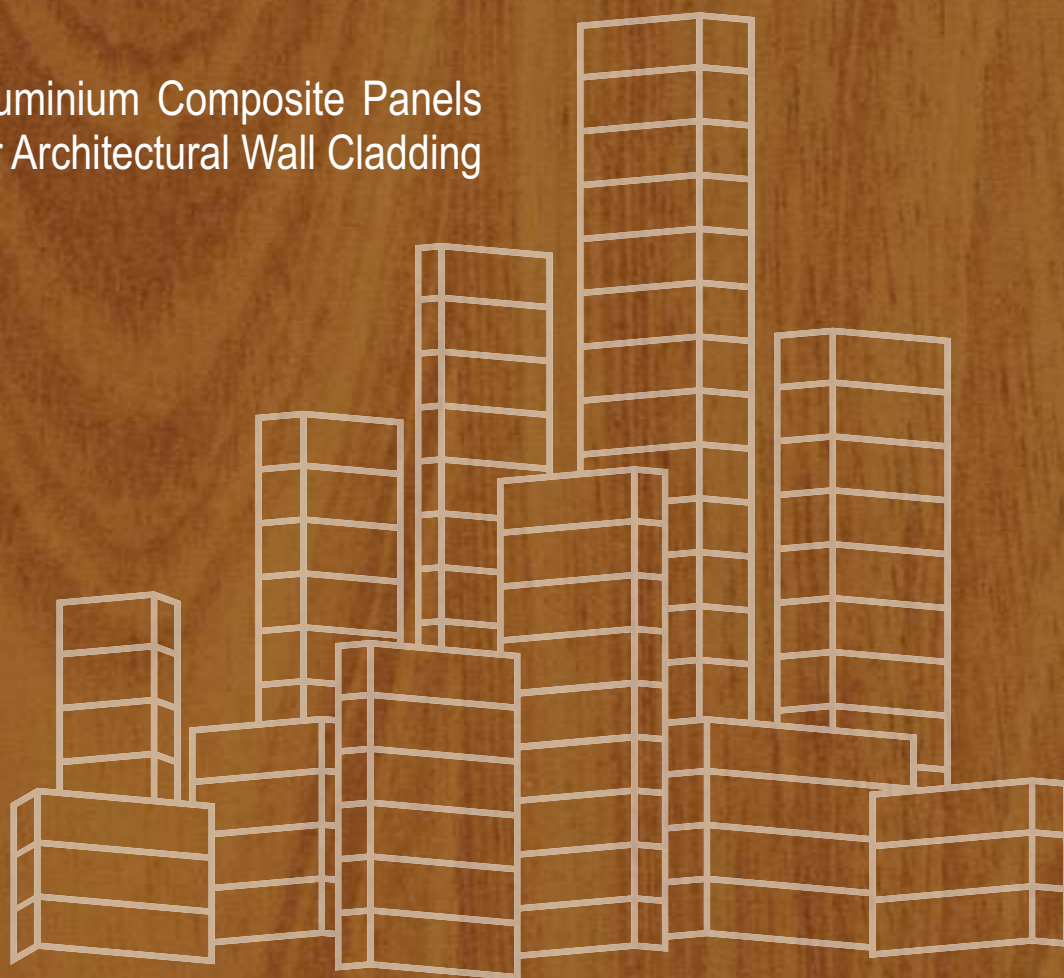


**larson wood**<sup>®</sup>  
by Alucoil<sup>®</sup>

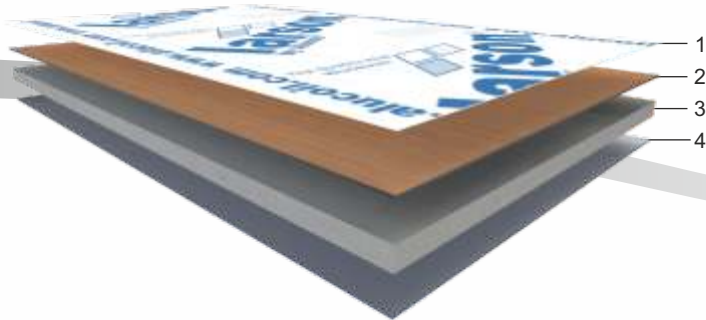
Aluminium Composite Panels  
for Architectural Wall Cladding



Top Quality ACM - Worldwide



**Alucoil**<sup>®</sup>  
Grupo Alibérico



1. Protective film
2. Coated aluminium
3. Core<sup>(1)</sup>
4. Aluminium

- <sup>(1)</sup> Two possibilities:  
a) Polyethylene core  
b) Mineral FR Core

**larson fr<sup>®</sup>** Fire Class Architectural (B-s1,d0)

## Aluminium composite panels for architectural wall cladding

### Composition

**larson<sup>®</sup>** aluminium composite panel is formed by two aluminum sheets bonded to either a fire resistant mineral core (FR), or a polyethylene core (PE). It is available in wood finishes from several colour schemes in either HQP High Quality Polyester or PVdF with COASTAL PRIMER paint systems, both suitable for outdoor use with outstanding UV performance.

They transmit the warmth of real timber with the advantages of our composite panels, enabling outstanding fabrication capabilities for folding, bending, perforating, and curving without losing its technical characteristics.

### Panel features

Core	POLYETHYLENE	MINERAL FIRE RESISTANT
Panel thickness	3 / 4 / 6 [mm]	3 / 4 / 6 [mm]
Aluminium thickness	0,5 [mm]	0,5 [mm]
Panel weight	4,66 / 5,56 / 7,36 [kg/m <sup>2</sup> ]	6,14 / 7,78 / 11,06 [kg/m <sup>2</sup> ]
Standard width	1000 - 1250 - 1500 [mm]	1000 - 1250 - 1500 [mm]
Min / max length	2000 - 8000 [mm]	2000 - 8000 [mm]
Moment of inertia "I"	1346 / 2637 / 6446 [mm <sup>4</sup> /m]	1583 / 3070 / 8630 [mm <sup>4</sup> /m]
Rigidity "EI"	942 / 1846 / 4512 [kNcm <sup>2</sup> /m]	1108 / 2150 / 6041 [kNcm <sup>2</sup> /m]
Reaction to fire test	M1 [UNE 23717 - NF P92-501]	B-s1,d0 [UNE EN 13501]
Modulus of elasticity "E"	70000 <sup>(*)</sup> [N/mm <sup>2</sup> ]	70000 <sup>(*)</sup> [N/mm <sup>2</sup> ]
Ultimate tensile strength "R <sub>m</sub> "	125 <sup>(*)</sup> [N/mm <sup>2</sup> ]	125 <sup>(*)</sup> [N/mm <sup>2</sup> ]
Elasticity limit "R <sub>po,2</sub> "	80 <sup>(*)</sup> [N/mm <sup>2</sup> ]	80 <sup>(*)</sup> [N/mm <sup>2</sup> ]
Elongation "%"	4 <sup>(*)</sup> [%]	4 <sup>(*)</sup> [%]
Aluminium alloy	5005	5005
Aluminium thermal expansion	2,3 mm/m Δ100°C	2,3 mm/m Δ100°C
Coated surface	HPQE PVdF 70% kynar 500 2 layers with <b>COASTAL PRIMER</b> 31μ PVdF 70% kynar 500 3 layers 37μ	
Finishes	English cherry [Exclusive <b>Alucoil<sup>®</sup></b> ] - Elegant oak [Exclusive <b>Alucoil<sup>®</sup></b> ] Light wenge [Exclusive <b>Alucoil<sup>®</sup></b> ] - Dark wenge [Exclusive <b>Alucoil<sup>®</sup></b> ] Colonial red - Wenge royal Walnut - Sunglow	

(\*) Aluminium features  
- Extended technical data sheet under request -



English Cherry EX.



Colonial Red



Light Wenge EX.



Wenge Royal



Walnut



Elegant Oak EX.

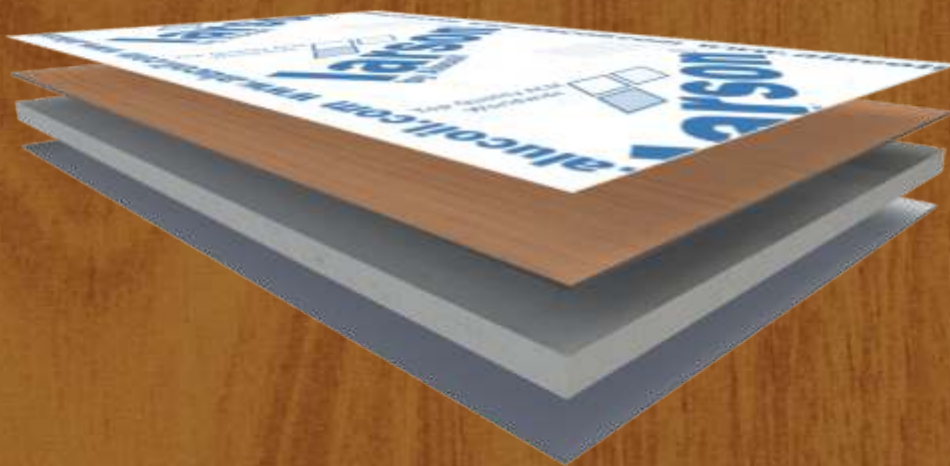


Sunglow



Dark Wenge EX.

**larson wood**<sup>®</sup>  
by Alucoil<sup>®</sup>



**[www.alucoil.com](http://www.alucoil.com)**

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