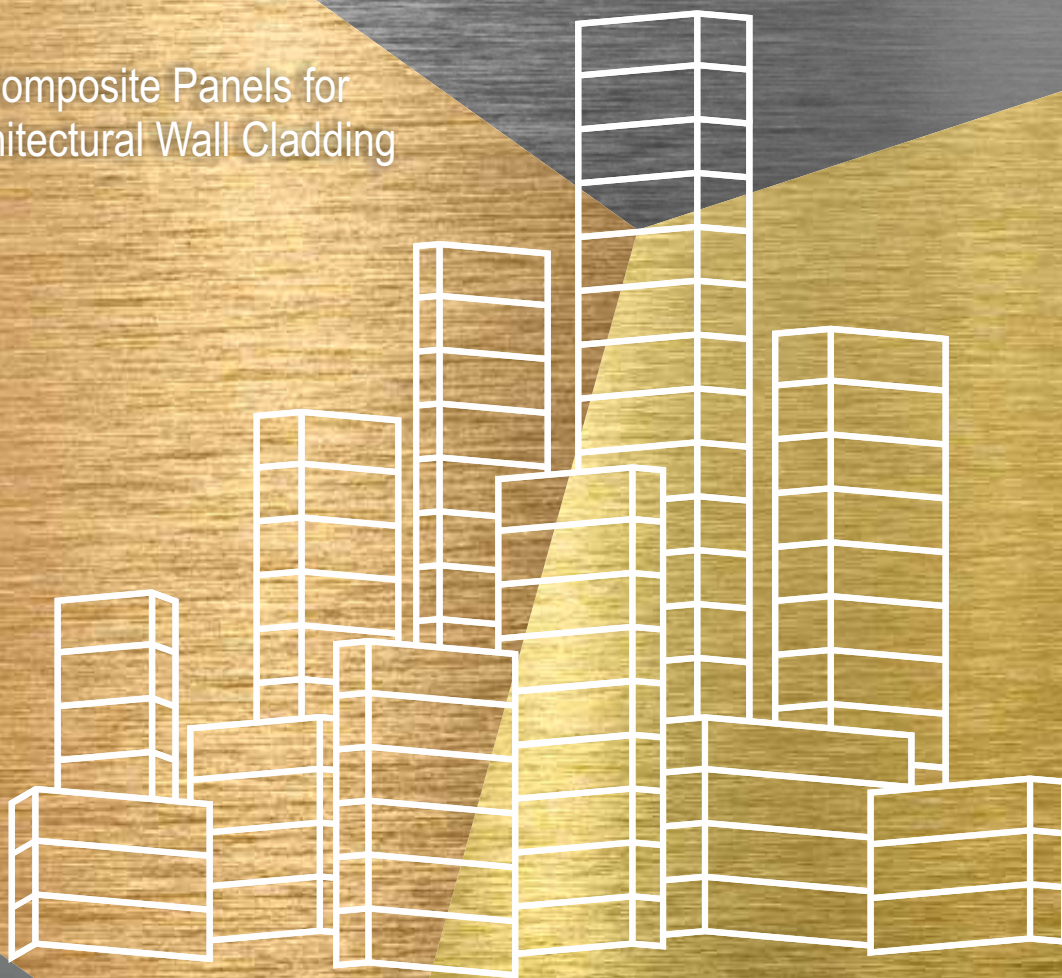


# larson metals<sup>®</sup>

by Alucoil<sup>®</sup>

Composite Panels for  
Architectural Wall Cladding



*Top Quality ACM - Worldwide*



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

# larson metals®

by Alucoil®

FILM PROTECTOR / PROTECTIVE FILM  
METAL / METAL  
ADHESIVO / BONDING LAYER  
NÚCLEO MINERAL FR O POLIETILENO PE  
MINERAL FR CORE OR POLYETHYLENE PE CORE  
ADHESIVO / BONDING LAYER  
METAL / METAL



## Paneles Composite para Revestimiento de Fachadas

### COMPOSICIÓN

Panel composite formado por dos láminas de metal unidas por un núcleo mineral (FR) o polietileno (PE).

Son productos que transmiten la veracidad de los metales nobles como el acero inoxidable, cobre, latón o zinc.

Ecológicos ya que carecen de tratamiento alguno y vivos porque permiten la evolución propia de los metales empleados.

- **larson metals®** inox incorpora dos variantes.

Cara externa:

- a) 0.25mm de acero inoxidable AISI 316 Natural granulado 2D.
- b) 0.25mm de acero inoxidable AISI 316 acabado pulido Wf30.

Cara interna:

- a) 0.20mm de acero inoxidable AISI 304 con imprimación de protección.

- **larson metals®** copper acabado natural de aleación Cu-DHP.
- **larson metals®** brass acabado natural de aleación Scu Zn30.
- **larson metals®** zinc acabado slate Zn-Cu-Ti (Zn 99,995).



Stainless Steel 2D

## Composite Panels for Architectural Wall Cladding

### COMPOSITION

Composite panels formed by two metal sheets bonded by a mineral filled fire resistant (FR) core or a polyethylene PE core.

**larson metals®** panels are available in natural metals such as Stainless Steel, Copper, Brass and Zinc.

These composite products are the ideal ecological solution and provide the sensation of liveliness from the distinction nature's finest elements.

- **larson metals®** stainless steel, available in two new choices.

External Skin:

- a) 0.25mm stainless steel AISI 316 Natural granulated 2D.
- b) 0.25mm of stainless steel AISI 316 brushed finish Wf30.

Internal Skin:

- a) 0.20mm of stainless steel AISI 304 with protection primer.

- **larson metals®** copper alloy Cu-DHP, natural finish.
- **larson metals®** brass alloy Cu Zn30, natural finish.
- **larson metals®** zinc slate finish.



Stainless Steel Wf30 Brushed



Copper



Brass



Zinc



King Abdulaziz Financial District  
(Riyadh, Saudi Arabia) COPPER



Reina Sofia Museum  
(Madrid, Spain) STAINLESS STEEL



Iradier Arena  
(Vitoria, Spain) BRASS PERFORATED

## CARACTERÍSTICAS DEL PANEL - PANEL FEATURES

METAL - METAL	STAINLESS STEEL [2D & Wf30]	ZINC
ESPEJOR TOTAL - TOTAL THICKNESS	4 [mm]	4 [mm]
ESPEJOR DEL METAL - METAL THICKNESS	0,25 EXT / 0,20 INT [mm]	0,5 EXT / 0,5 INT [mm]
ANCHO ESTÁNDAR - STANDARD WIDTH	1000 -1200 [mm]	1000 [mm]
DILATACIÓN DEL METAL - METAL THERMAL EXPANSION	1,6mm/m Δ100°C	2,2mm/m Δ100°C
ALEACIÓN - ALLOY	AISI316 EXT / AISI 304 INT	Zn 99,995 (Z1 EN 1179)
NÚCLEO - CORE	FR	PE
CLASIFICACIÓN AL FUEGO - REACTION TO FIRE TEST	B-s1,d0	M1
PESO DEL PANEL - PANEL WEIGTH	9,56 [kg/m <sup>2</sup> ]	10,06 [kg/m <sup>2</sup> ]
RIGIDEZ "EI" - RIGIDITY "EI"	2891 [kNcm <sup>2</sup> /m]	2165 [kNcm <sup>2</sup> /m]
MOMENTO DE INERCIA "I" - MOMENT OF INERTIA "I"	1446 [mm <sup>4</sup> /m]	2405 [mm <sup>4</sup> /m]
CARGA A LA ROTURA "R <sub>m</sub> " - ULTIMATE TENSILE STRENGTH "R <sub>m</sub> "	520 [N/mm <sup>2</sup> ] (*)	150 [N/mm <sup>2</sup> ]
LÍMITE DE ELASTICIDAD "R <sub>p0,2</sub> " - ELASTICITY LIMIT "R <sub>p0,2</sub> "	210 [N/mm <sup>2</sup> ] (*)	110 [N/mm <sup>2</sup> ]
ALARGAMIENTO A LA ROTURA "%" - ELONGATION "%"	45 [%] (*)	40 [%]
MÓDULO DE ELASTICIDAD "E" - MODULUS OF ELASTICITY "E"	200000 [N/mm <sup>2</sup> ] (*)	90000 [N/mm <sup>2</sup> ]

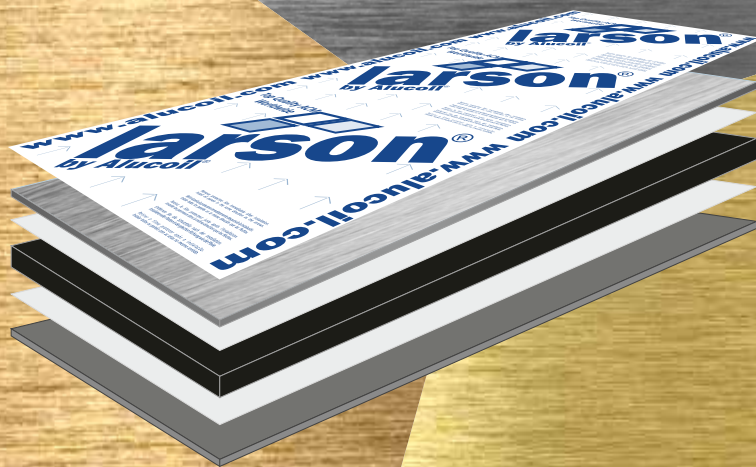
METAL - METAL	COPPER	BRASS
ESPEJOR TOTAL - TOTAL THICKNESS	3 - 4 - 6 [mm]	3 - 4 - 6 [mm]
ESPEJOR DEL METAL - METAL THICKNESS	0,3 EXT / 0,3 INT [mm]	0,5 EXT / 0,5 INT [mm]
ANCHO ESTÁNDAR - STANDARD WIDTH	1000 / 1250 [mm]	1000 [mm]
DILATACIÓN DEL METAL - METAL THERMAL EXPANSION	1,7mm/m Δ100°C	2mm/m Δ100°C
ALEACIÓN - ALLOY	Cu-DHP EN 1172	CuZn 30/CW505L
NÚCLEO - CORE	PE - FR	PE - FR
PESO DEL PANEL - PANEL WEIGTH	PE:8,58 - FR:11,09 [kg/m <sup>2</sup> ]	PE:11,36 - FR:13,58 [kg/m <sup>2</sup> ]
RIGIDEZ "EI" - RIGIDITY "EI"	PE:2130 - FR:2662 [kNcm <sup>2</sup> /m]	PE:3218 - FR:3748 [kNcm <sup>2</sup> /m]
MOMENTO DE INERCIA "I" - MOMENT OF INERTIA "I"	PE:1613 - FR:2017 [mm <sup>4</sup> /m]	PE:2637 - FR:3070 [mm <sup>4</sup> /m]
CARGA A LA ROTURA - ULTIMATE TENSILE STRENGTH	240 [N/mm <sup>2</sup> ] (*)	290 [N/mm <sup>2</sup> ]
LÍMITE DE ELASTICIDAD "R <sub>p0,2</sub> " - ELASTICITY LIMIT "R <sub>p0,2</sub> "	140 [N/mm <sup>2</sup> ] (*)	186 [N/mm <sup>2</sup> ]
ALARGAMIENTO A LA ROTURA "%" - ELONGATION "%"	8 [%] (*)	36 [%]
MÓDULO DE ELASTICIDAD - MODULUS OF ELASTICITY	132000 [N/mm <sup>2</sup> ] (*)	110000 [N/mm <sup>2</sup> ]
CLASIFICACIÓN AL FUEGO - REACTION TO FIRE TEST	PE:M1 - FR:B-s1,d0	PE:M1 - FR:B-s1,d0

(\*) Característica del metal  
- Para más información solicitar ficha técnica completa -

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

# larson metals®

by Alucoil®



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

Polígono Industrial de Bayas  
C/ Ircio. Parcelas R72-77  
09200 Miranda de Ebro, Burgos  
SPAIN  
Tel.: +34 947 333 320 Fax: +34 947 324 913  
[info@alucoil.com](mailto:info@alucoil.com)



**Alucoil®**  
Grupo Alibérico