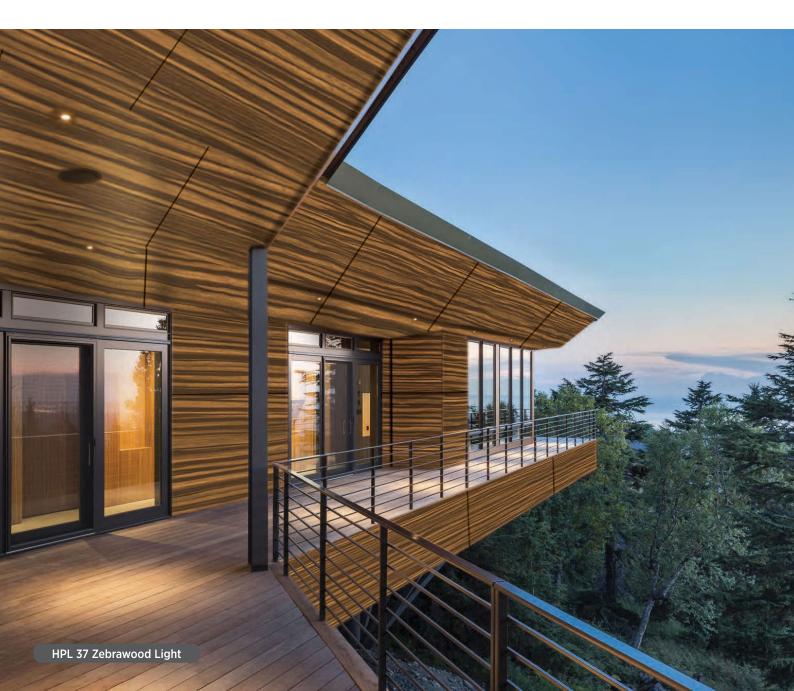


It takes a lot to be an Ace. Choose wisely.

With **Aludecor Ace**, 6mm ACPs, you receive a host of distinctive features. Easy to install and maintain these are resistant to borer, termite, fungi, chemicals and UV rays. Besides they are highly cost effective and durable.

Aludecor Ace can be riveted directly into the substrate. This leaves out the use of silicone completely. With these ACPs non-bleeding, gorgeous facades are possible easily. Quick installation, easy maintenance and design-friendliness makes Aludecor Ace a favourite among architects and home-owners alike. It lends itself easily to residences, malls, hotels, commercial spaces, airports... and aces pretty much anywhere!





Product highlights

- Resistance to UV rays
- Weather-proof
- Resistance to stains
- Fire-retardant
- Withstands strikes and abrasion
- Easy to install and maintain
- Lightweight and flexible
- Easier perforation and design precision
- Resistance to swelling in boiling water

Areas of application

- Façade
- Boundary wall
- Ceiling
- Pergola
- Entrance
- Railing
- Louvre
- Canopy
- Balcony
- Signage and more



HPL 04 American Walnut



HPL 30 Cocoa Teak



HPL 31 Sharun Teak



HPL 42 Crotch Burl Light



HPL 43 Crotch Burl



HPL 44 Crotch Burl Dark



HPL 37 Zebrawood Light



HPL 46 Classico Pine



HPL 47 Hickory Brown



HPL 51 Heartwood Tawny

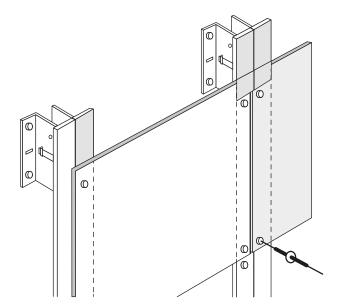


HPL 104 Apuan



HPL 121 Armani Cappuccino

INSTALLATION TECHNIQUES OF ACE (6 mm ACPs)



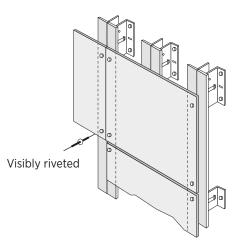
METHOD OF RIVETING

The riveted assembly system is a versatile system as it adapts perfectly to any architectonic typology. It is a seen fixing system that can be assembled rapidly. It admits as many horizontal pieces as vertical.

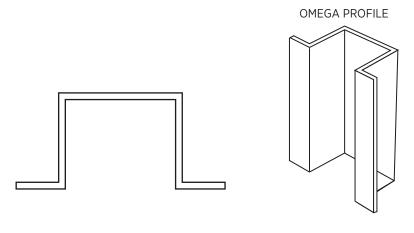
Furthermore, by using panels that have not been shaped, it offers the possibility of executing curved areas. For all of this, the riveted system complies with the requisites in order to execute the most demanding architectonic claddings.

All of the substructure is made with 6063.

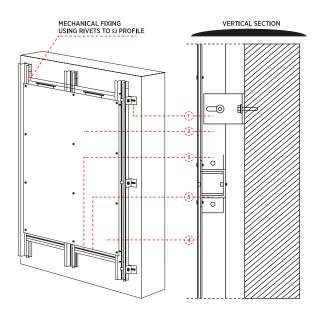




AUXILIARY ELEMENTS FOR THE RIVETED SYSTEM



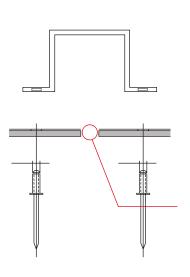
ASSEMBLY DIAGRAM SYSTEM RIVETED

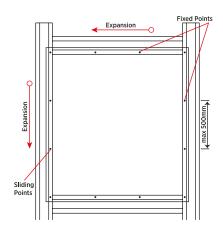


Serial	Designation			
1	Double T profile bracket			
2	Omega mullion profile			
3	Joining profile between omegas			
4	Aludecor composite panel			
5	Omega transom profile			
6	Blind rivet			

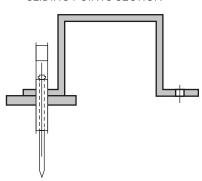
TYPES OF RIVET SYSTEM

SECTION

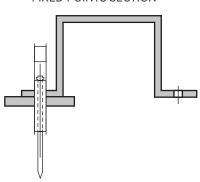




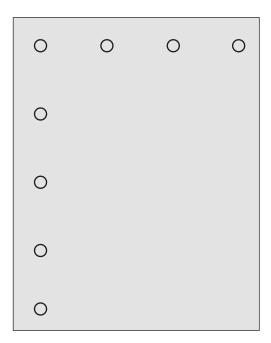
SLIDING POINTS SECTION



FIXED POINTS SECTION



RIVET SYSTEM LAYOUT



In the drawing the perforation diameters are demonstrated and the maximum distance to where these have to be situated.

The panels are installed at the site after being perforated. They are fitted with the corresponding rivets. This must be done with attention to the play between the screw's diameter and the rivet pin as well as the distance between rivet and the panel edges.

We recommend using a guide in order to position the rivets. Special attention must be paid to the direction indicated by an arrow on the film-protector in order to guarantee that different tones are not produced when the sun shines on the facade

METHOD OF PASTING

This is a system where the plate is adhered using of adhesive fixing to a substructure made of vertical and horizontal mullions.

It is a lightweight system with concealed fixing. It is quick and economic to assemble. It allows for modulations both horizontally as well as vertically. As it is a glued system with chemical fixings, it is resistant to aging and the elements, absorbs vibrations and offer s multiple possibilities for facade design.

All of the substructure will be made using 6063 T6 aluminium profiles. The fixings or spacers in an 'L' shape will be situated against each other in order to bidimensionally absorb the facade's irregularities. SC1 is fixed to the vertical parameter using special mechanical wedges that are recommended in each case by the fixing suppliers.

Steps to follow for assembly

1. Clean the substructure

The substructure must be clean, dry, homogeneous and free of oils, grease, dust or badly adhered particles. Paint, whitewash and other coatings must be removed.

Precautions

- Clean the surface with damp paper, moving in only one direction as if sanding. Dissolvent should never be used.
- For prior cleaning and de-greasing, use de-greaser and cleaner or similar and allow for it to evaporate for at least 10 minutes.

2 Area priming

The priming is made with a product that reinforces the adherence of the adhesive paste to the substructure using panel primer or similar.

Precautions

- Once hardened, the priming can only be removed mechanically.
- The priming leaves a heterogeneous film. The surfaces should only be treated if they are going to be glued.
- It is essential to respect the cleaner evaporation times in all circumstances (30, 60 mins.)

3 Application of the double-sided adhesive tape

The double-sided tape or similar is to be used for the initial fixing of the panels until the adhesive has polymerized and reached a minimum thickness of 3 mm so that it can absorb the possible expansions and vibrations in the facade. The long-term resistance is achieved only with the adhesive.

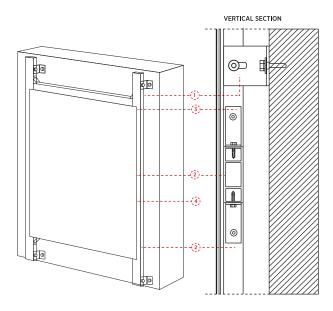
4 Panel fitting

Remove the film protector from the double sided adhesive tape. Carefully fit the panel in its exact position and press firmly until the panel makes contact with the double sided tape. Always comply with the instructions regarding their storage. Avoid exposure to heat and direct sunlight prior to gluing the panels.



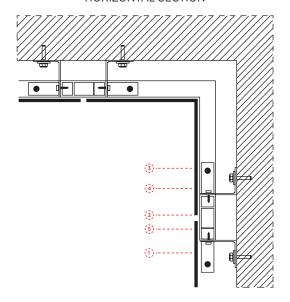
ASSEMBLY DIAGRAM SYSTEM GLUED

Serial	Designation
1	Angular
2	Glued mullion
3	Glued mullions joint
4	Aludecor composite panel
5	Specific adhesive



TECHNICAL DIAGRAM SYSTEM GLUED

SIDE CORNER ROUNDING OFF HORIZONTAL SECTION



Product Specifications

SI. No.	Particulars	Product Composition							
1	Product Grade	AL 63							
2	Total Thickness of The Panel	6 mm							
3	Thickness of The Aluminium Skin (Top Skin/ Bottom Skin)	O.25 mm							
4	Thickness of LDPE/Mineral Core	5.5 mm							
5	Grade of Aluminium Skin	AA1100 (Supplier-Hindalco)							
6	Coating Thickness (Front Coil)	30 μ - 35 μ Three Coat Paint System Suppliers Akzonobel/PPG/Beckers/Nippon							
7	Coating Thickness (Back Coil)	4 μ - 7 μ Service Coat							
8	Product Tolerance	Width	Length	ngth Thickness Coil Panel		Squareness	Bow		
		±2.0 mm	±4.0 mm	±0.03 mm	±0.2 mm	Maximum 5.0 mm	Maximum 0.8% of width and/or length		

Design numbers HPL 42, HPL 43, HPL 44, HPL 46 & HPL 47 are also available as double sided ACPs in 6mm range. For more details, contact the dealer or local area sales representative.





































AludecoR



Customised digital support

CREAMOS LA FACHADA DE TU EDIFICIO, OFICINA O ESPACIO QUE NECESITES EN 3D.



COMPOSITE DE ALUMINIO, ZINC Y COBRE, LAS FACHADAS DEL PRESENTE.

Aludecor Spain es una empresa especializada en la fabricación y distribución de paneles de Composite de Aluminio, Zinc y Cobre principalmente para el sector de la construcción. Desde 2004 son muchos los profesionales como arquitectos, promotores y constructores de todo el mundo los que han optado por nuestros productos gracias la calidad, garantía e innovación del que presume el composite de Aludecor.

Un verdadero creador de tendencias

Aludecor incursionó en el ámbito de la construcción y el diseño para transformar las construcciones del mañana. Creador de tendencias en ACP y bobinas revestidas, que embellecen los interiores y exteriores de los edificios, contribuyendo a crear estructuras contemporáneas que llaman la atención fácilmente.

A través de constantes innovaciones tecnológicas e investigación, Aludecor ha establecido nuevos estándares de excelencia y ha introducido un nuevo cociente estético.

Porqué elegir Aludecor Spain













AludecoR Fire Wall







Distribuimos en toda España, Portugal, Francia y resto de Europa. Disponemos de oficina y almacenes en Murcia, Valencia, Barcelona y Rotterdam.



AIG Grupo Industrias Aproxyma.

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