Alsina
FORMWORK SOLUTIONS

Alupilar and Alispilar

ISO 9001
BUREAU VERITAS
Certification
Nº 7002938

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ALUPILAR and ALISPILAR

Quick

The Alispilar System means less manual labor during assembly and form removal of the columns.

A quick and easy joining system; with only one hit of a hammer the wedge and the bolt included in the panel are easily secured, leaving the panel assembly fully assembled.

Resistant

The Alispilar panel is made of high resistance steel 6 lbs/sq.ft (30 kg/m^2) and finished with red polyes-ter paint, providing resistance and durability on site, with a design pressure of 11.6 psi (lb/sq.in) / 80 kN/m^2.

featuring build-in locking connectors

Systems used to form square and rectangular columns with adjustment panels that allow different sections required on the market to be made with only one panel, which is adjusted with a grid in 2" (5 cm) intervals.

The design of both systems is based on panels that include all the integrated elements (bolt, wedge and adjustment) for greater assembly speed.

Alupilar and Alispilar are designed to be:
- Light; because of the light weight of the panels:
  Alupilar: 4 lbs/sq.ft (20 kg/m^2) - Alispilar: 6 lbs/sq.ft (30 kg/m^2).
- Quick; because of its easy assembly.
- Profitable; because of the finish of the phenolic surface and the Alsina chamfer strip.

Alupialr and Alispilar systems include the following accessories for its assembly:
- Alsina aligners (measurements of 3, 6 and 9 m height)
- Alsina chamfer strip
- Alsina concrete release agent

Quick and light

Significant time and labour savings are achieved thanks to Alupilar's attachment system: a simple hammer tap will easily lock the wedge and bolt build into the panels.

Alupilar is a lightweight panel that weighs only 4 lbs/sq.ft (20 kg/m^2) with a design pressure of 11.6 psi (lb/sq.in) / 80 kN/m^2.

Both systems providing smooth finish

The phenolic formwork surface has multiple advantages compared to metal surfaces:

- Less weight
- Better finish of the concrete
- Better performance
- Greater resistance (does not rust or dent).

The Alsina chamfer strip is used to seal the concrete grout and the joints between panels. The first system on the market that is secured to the panel with springs without having to be nailed in, extending the life of the phenolic and facilitating the form removal of the column.

Characteristics of Alupilar

alupilar panel

Panel made of reinforced aluminium, offering higher strength than many of the steels used in the market.
Weight of the Alupilar panel:
- 4 lbs/sq.ft *(20Kg/m²)*

Birch plywood surface:
- 1/2" *(12 mm)* thick.

Maximum pressure:
- 11.6 psi (lb/sq.in) *(80kN/m²)*

Painted with white polyester paint.

alupilar measurements

Alupilar comes in two standard panel widths and three panel heights, which allows implementation of square or rectangular columns sections from 8" by 8" to 24" by 24".

Panel 70	Weight
27,56" x 31,50"	30,86 lb
27,56" x 51,18"	44,09 lb
27,56" x 110,24"	90,39 lb

Panel 50	Weight
19,69" x 51,18"	30,86 lb
19,69" x 110,24"	66,14 lb

ONLY ONE panel for square or rectangular cross sections:
Panel 50 - from 8" to 16"
Panel 70 - from 10" to 24"

wedge and bolt

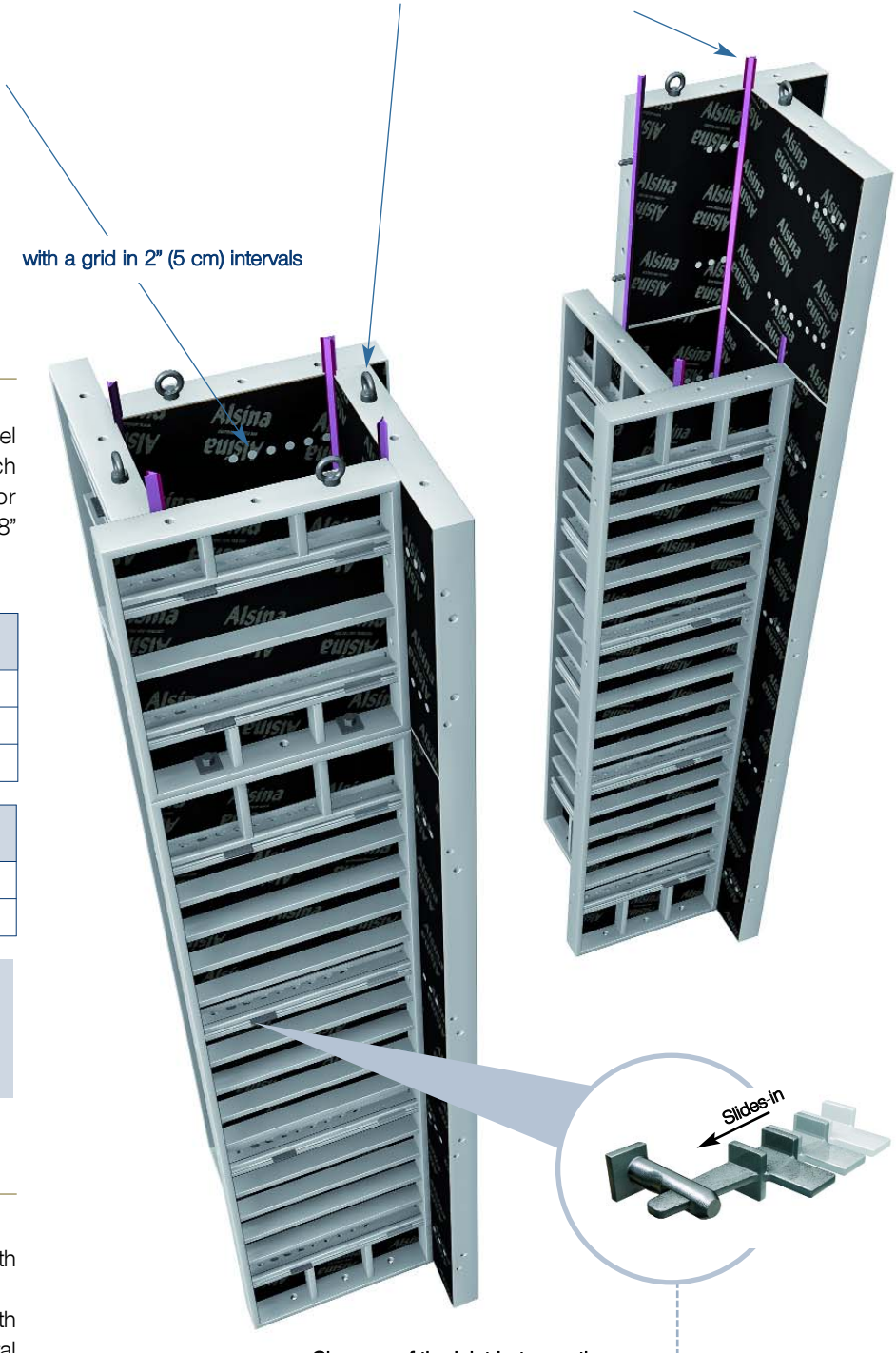
Anchorage elements between panels; both are built into the panel.
The wedge is inserted in a cross beam with reinforced guide allowing its horizontal movement and protects it from hits and concrete debris.

lifting bracket

Essential accessory for the movement of the panels on site with a crane. Its positioning is quick and easy.

chamfer strip

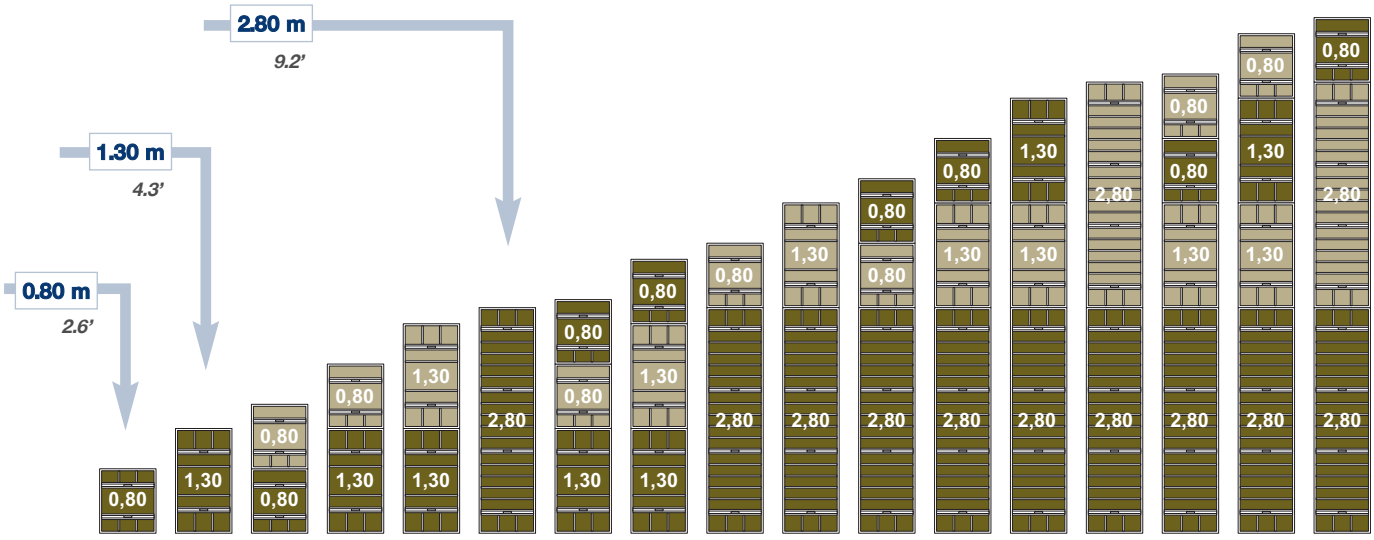
For better finishing the edge of the column. Adheres to the panel using a spring especially designed for this purpose



Close-up of the joint between the bolt and the wedge included in the column.

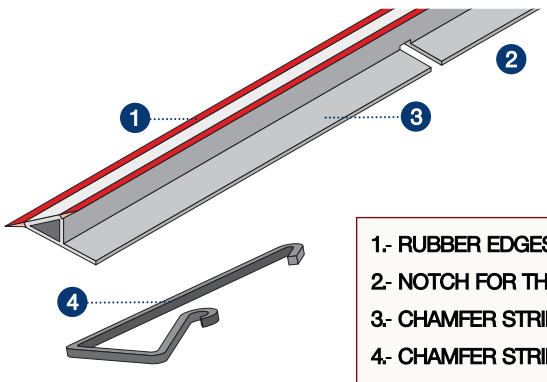
height modules

The height combinations of the three standard measurements of the Alispilar Panels offer a wide range of height modules.



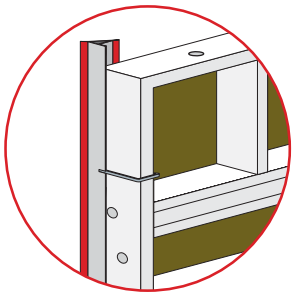
alsina chamfer strip

For better finishing the edge of the column, use the Alsina chamfer strip. Also prevents the grout of the concrete from leaking out.
This accessory adheres to the panel using a spring especially designed for this purpose. It does not have to be nailed in and therefore avoids damaging the phenolic surface.
The use of the removable Alsina chamfer strip greatly improves the stripping of the column.
The chamfer strip is formed by a gray plastic body and red rubber edges that fit into the joint of the panels and seal the column joints.

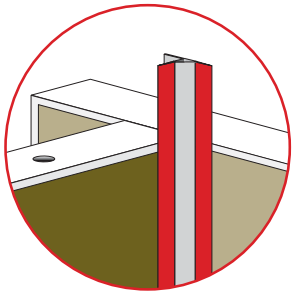


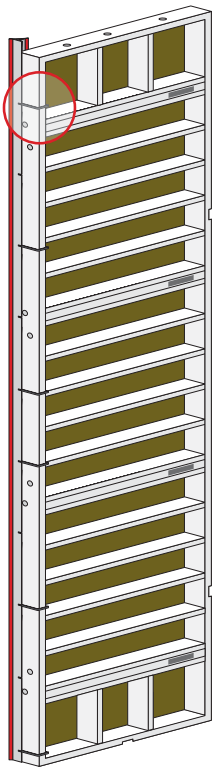
1.- RUBBER EDGES
2.- NOTCH FOR THE SPRING
3.- CHAMFER STRIP BODY
4.- CHAMFER STRIP SPRING

EXTERIOR CLOSE-UP



INTERIOR CLOSE-UP





Characteristics of Alispilar

alispilar panel

Panel built of high resistance steel
Weight of the Alispilar panel:
- 6 lbs/sq.ft *(30Kg/m²)*

Birch plywood surface:
- 1/2" *(12 mm)* thick.

Maximum pressure:
- 11.6 psi (lb/sq.in) *(80kN/m²)*

Painted with red polyester paint.

alispilar measurements

Width of 50 cm panel (*1)
- 3.00 X 0.50 m
- 1.40 X 0.50 m
- 0.80 X 0.50 m

(*1)For columns of 20 to 40 cm (in intervals of 5 cm)

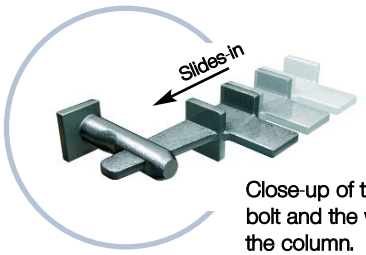
Width of 68 cm panel (*2)
- 3.00 X 0.68 m
- 1.40 X 0.68 m
- 0.80 X 0.68 m

(*2) For columns of 25 to 60 cm (in intervals of 5 cm)

Extensions of the 10 cm panel
- 3.00 X 0.10 m
- 1.40 X 0.10 m
- 0.80 X 0.10 m

wedge and bolt

Anchorage elements between panels; both are built into the panel.
The wedge is inserted in a cross beam with reinforced guide allowing its horizontal movement and protects it from hits and concrete debris.

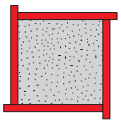
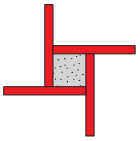
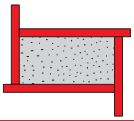
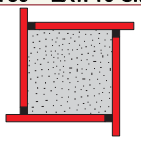
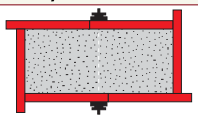
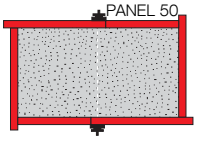


Close-up of the joint between the bolt and the wedge included in the column.

lifting bracket

Essential accessory for the movement of the panels on site with a crane. Its positioning is quick and easy.

combinations

68 CM PANEL

4 panels of 68 cm
Column of 25 x 25 cm (min.)
Column of 60 x 60 cm (max.)
(in intervals of 5 cm)
PANEL 50 CM

4 panels of 50 cm
Column of 20 x 20 cm (min.)
Column of 40 x 40 cm (max.)
(in intervals of 5 cm)
PANEL 50 + 68 CM

2 panels of 50 cm + 2 panels of 68 cm
Column of 20 x 25 cm (min.)
Column of 40 x 60 cm (max.)
(in intervals of 5 cm)
PANEL 50 + EXT. 10 CM

4 panels of 68 cm + extension of 10 cm
Column of 70 x 70 cm
PANEL 50 + 50 CM (moduled)

6 panels of 50 cm
Column of 20 x 70 cm (min.)
Column of 40 x 90 cm (max.)
(in intervals of 5 cm)
PANEL 50 + 68 CM (moduled)

2 panels of 50 cm + 4 panels of 68 cm
Column of 25 x 75 cm (min.)
Column of 60 x 110 cm (max.)
(in intervals of 5 cm)

height modules

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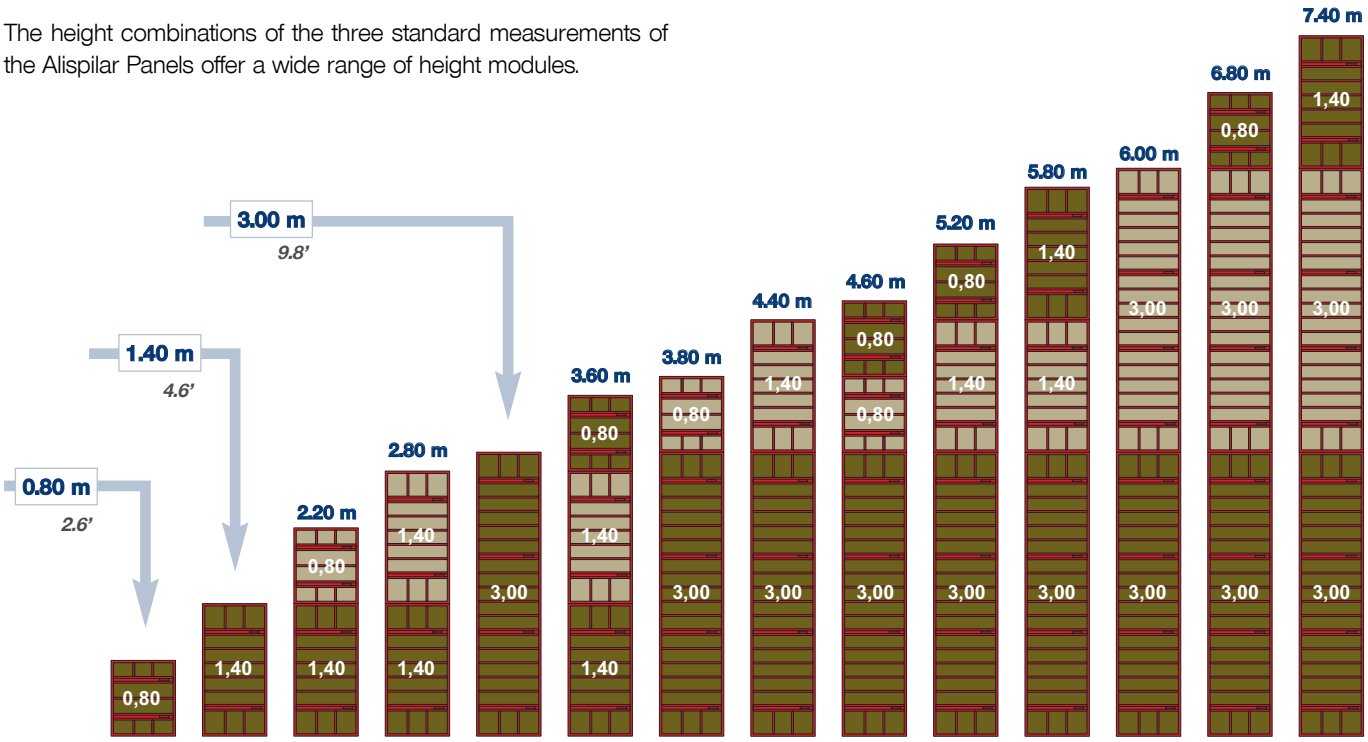

alsina chamfer strip

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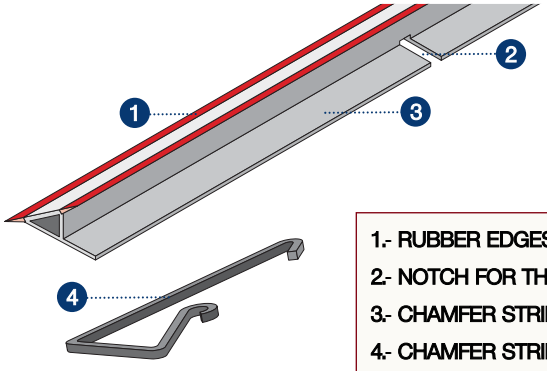

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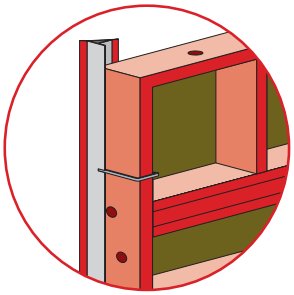
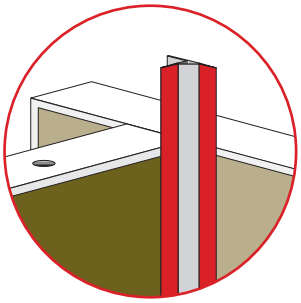
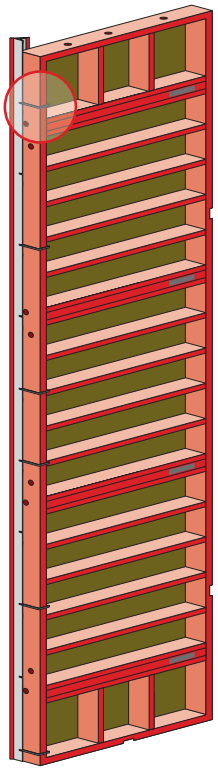


INTERIOR CLOSE-UP





Applications of Alupilar and Alispilar