

Alsina

FORMWORK SOLUTIONS



Alisply Walls

Headquarters - Spain

Encofrados J. Alsina, S.A.
Camí de la Font Freda, 1
08110 - Montcada i Reixac,
Barcelona - Spain
Tel. +34 935 753 000
Fax. +34 935 647 059
E-mail: alsina@alsina.es
Web: www.alsina.com

Alsina USA - Chicago

Alsina Forms Co., Inc.
511 W Armory Dr., Suite A
South Holland
IL. 60473-2825-USA
Tel.: (+1) 708 825 9340
Fax: (+1) 708 825 9345
E-mail: usa@alsina.com

Alsina USA - Miami

Alsina Forms Co., Inc.
8820 NW 77th Court
Medley FL. 33166
Tel.: (+1) 305 398 9860
Fax: (+1) 305 398 9859
E-mail: usa@alsina.com



ALISPLY WALLS



▶ Manual clamp GR-2



The joint and alignment system of the panels is made using the GR-2 Alisply Clamp. The design of this clamp allows you to join and align the panels with only one hand, without needing any other tools.

Alisply Adjustable Clamps may also be used, which allow you to incorporate extensions of up to 10 1/4" (26 cm) wide between panels.

▶ Quick



The Alisply Wall System, along with its accessories, is designed for quick and easy assembly.

The support of the 5 7/8" (15 cm) framework facilitates assembly and alignment of the panels.

The manual clamp allows panels to be joined at any point on the frame, in addition to aligning them. The innovative design of the manual clamp means you do not need to check its attachment with additional tools (hit with a hammer or similar). A simple visual inspection is sufficient to know if all of them are in position.

→ Only two tie for every 9'-10 1/8" (3 m) of height

Removable formwork system for concrete walls, designed to be handled by crane. Alisply is formed by a steel-reinforced frame and a lining of phenolic resin-coated plywood 9/16" (15 mm) thick.

Large surface areas 32.3 and 64.6 sf (3 and 6 m²) can be created with minimal space between the panels, due to its carefully researched steel-reinforced structure. Alisply only needs two tie rods for every 9'-10 1/8" (3 m) of height. This allows the wall to have a finish without excessive imperfections.

The Alisply Wall System includes accessories for its assembly, such as:

- Aligners 9'-10 1/8", 19'-8 1/4" and 29'-6 5/16" (3, 6 and 9 m)
- Walkway Bracket and Working Platform
- Climbing Platform C-160 and C-240
- GR-2 Hand-operated Clamp and GR-2 Adjustable Clamp
- One-sided wall
- Heavy duty splice
- Alsina concrete release agent
- Tie-off rod
- Allowable pressure 1.250 psf (60 kN/m²)

▶ Smooth finish



Alisply Walls, with a phenolic resin-coated plywood formwork surface of 9/16" (15 mm), provide a fair-faced concrete finish. Also, it allows for the defining of the texture of the concrete through the positioning of chamfer strips or other components that easily adhere to the lining.

▶ Safety and adaptability



The Alisply GR-2 Clamp can join to any point on the frame and does not require the crossbeams to be perfectly aligned, which makes it easier to erect walls with inclined bases.

Other components of the Alisply system that make it more safe for use are the Walkway Brackets, Platforms and Lifting Bracket; all these accessories have built-in safety locks to ensure proper functioning in all situations.

Characteristics of the Alisply Walls System



Interior corner



Accessory used to join two panels on the inner face of the wall and to create a corner of 90°.

Alisply GR-2 clamp



The GR-2 Clamp joins, aligns and braces the panels in one step without having to use any tools

Lifting bracket



Essential element for the movement of the wall modules. Quick, easy and manual positioning; has a safety device that prevents accidental opening.

Alisply panel



Made up of a galvanized steel frame and a form surface of phenolic plywood of 9/16" (15 mm).

Waler

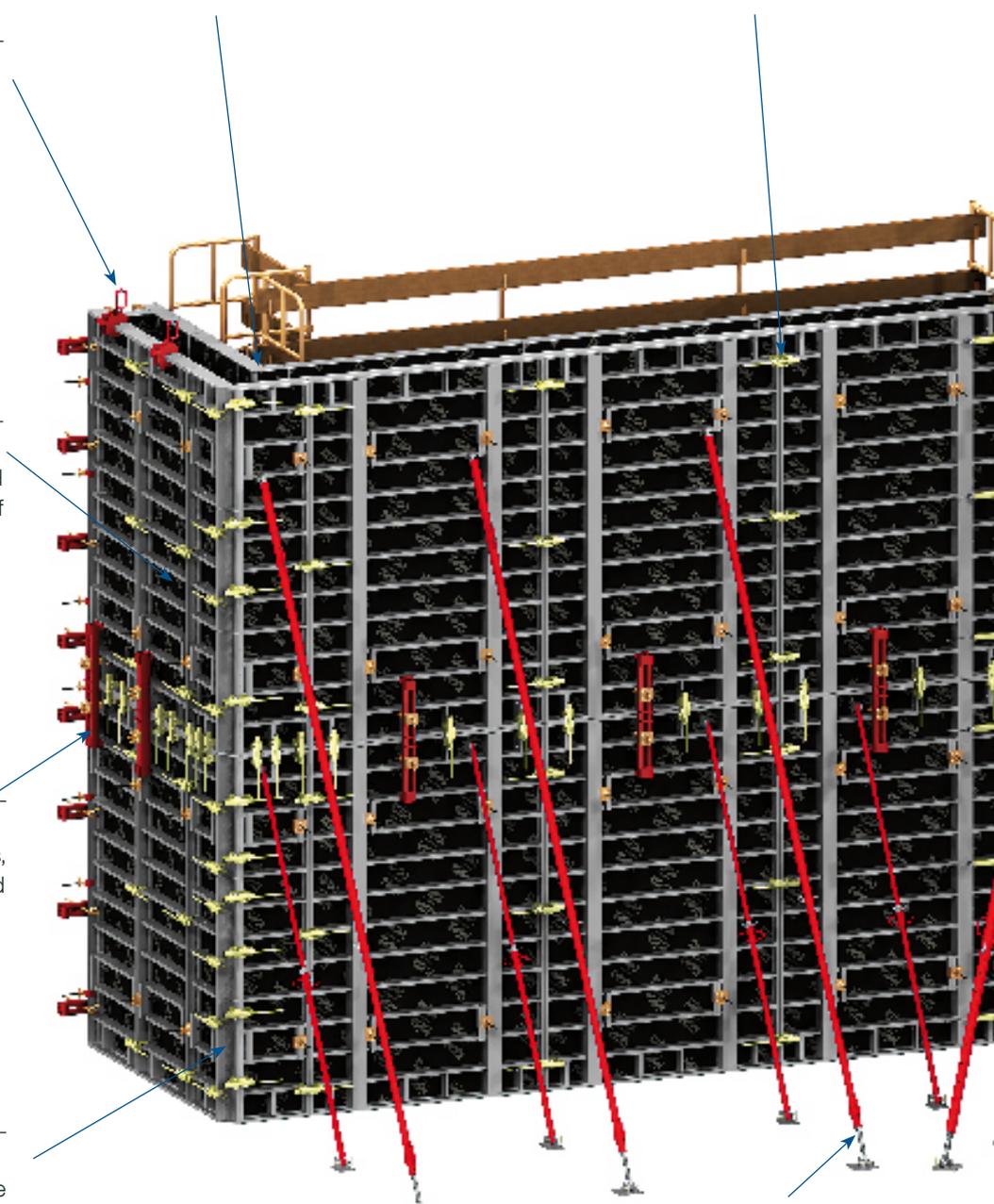


Accessory to align walls at heights, reducing the number of clamps needed for this function as well as the cost.

Outside corner



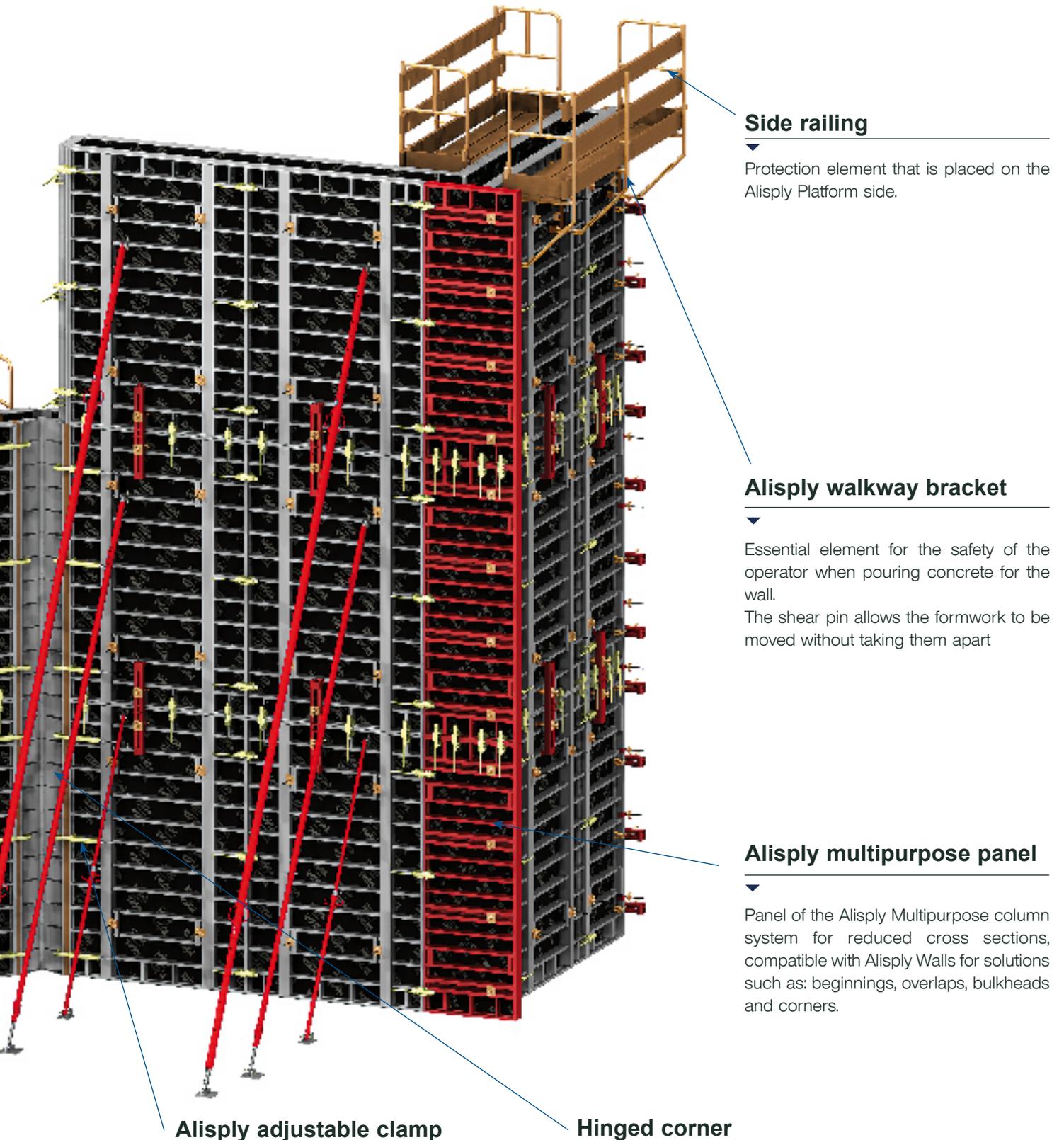
Accessory used to join two panels on the outside face of the wall and to create a corner of 90°.



Aligners of 9'-10 1/8", 19'-8 1/4" and 29'-6 5/16" (3, 6 and 9 m)



Accessory to stabilize and to plumb the wall shuttering.



Side railing

Protection element that is placed on the Alisply Platform side.

Alisply walkway bracket

Essential element for the safety of the operator when pouring concrete for the wall.

The shear pin allows the formwork to be moved without taking them apart

Alisply multipurpose panel

Panel of the Alisply Multipurpose column system for reduced cross sections, compatible with Alisply Walls for solutions such as: beginnings, overlaps, bulkheads and corners.

Alisply adjustable clamp

The Alisply Adjustable Clamp is designed for positioning the panels that need wood fillers. It can accommodate an accessory of up to 10 1/4" (26 cm) in width.

Hinged corner

Accessory that allows easy fixing of corners of walls with non-right angles.

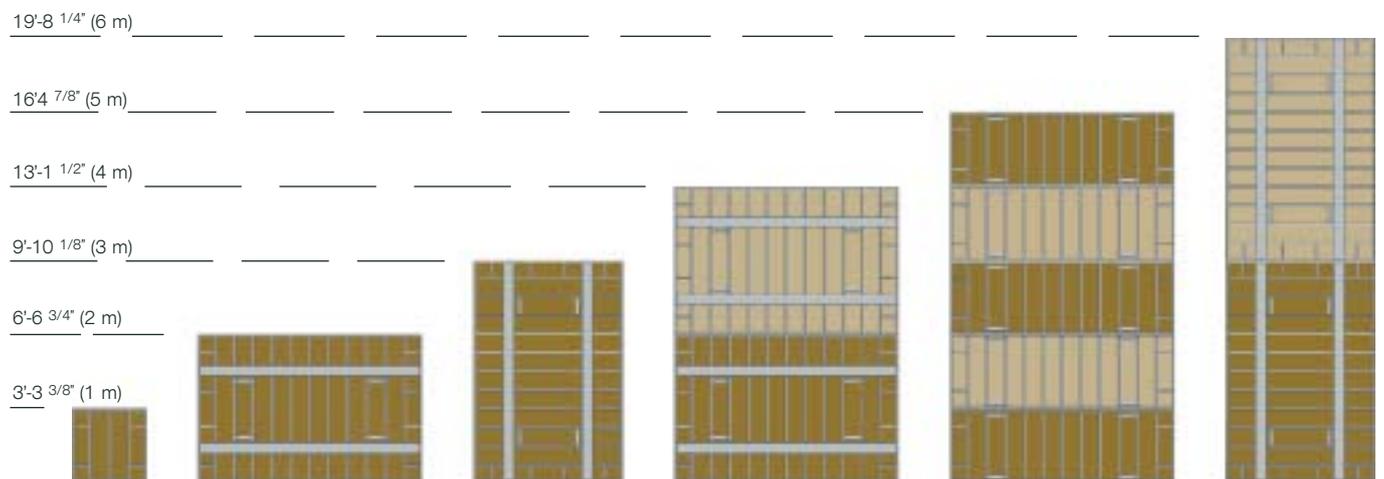
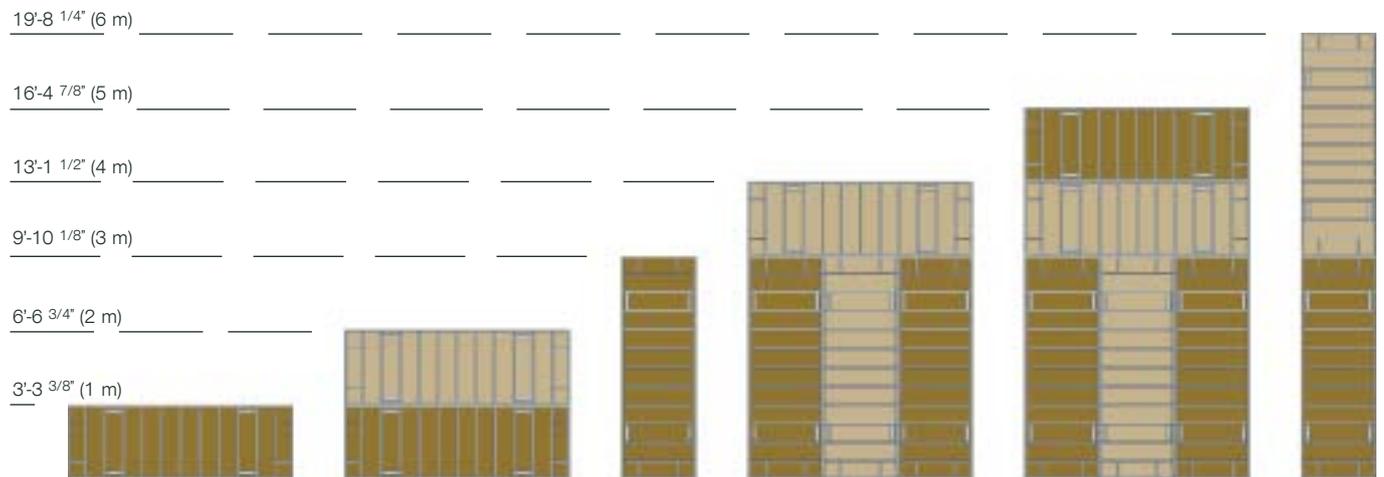
Layouts of the Alisply Walls System

Alisply walls system

The Alisply Walls System consist of and standard set of 15 panel sizes. All of the sizes are metric enabling easy combination of all of the panels.

The panels come in 2 standard heights, and 10 standard widths, plus two special sizes of 9'-10 1/8" x 6'-6 3/4" and 6'-6 3/4" x 3'-3 3/8" (3 x 2 m, and 2 x 1 m).

Illustrated below are some of the multiple wall dimensions that can be formed by the system.



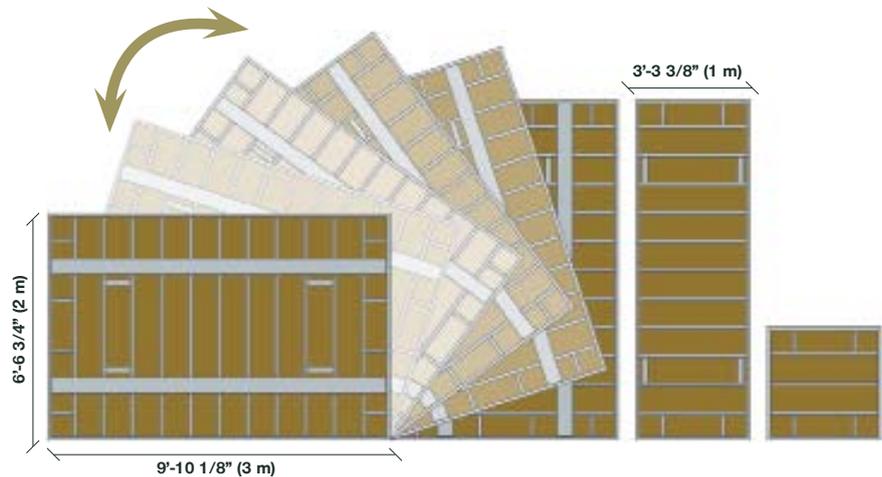
Alisply Walls size modules

the Alisply panel and its size modules

The sizing and the position of the ties makes it possible to take down the panel so that it can be used both vertically and horizontally.

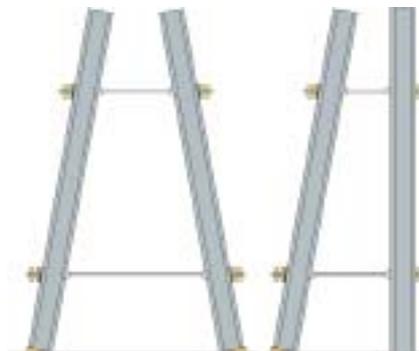
The Alisply Walls System has a standard size of 20 panels, with 10 sections in two heights. In addition to the 3 types of straight corners and 2 types of hinged corners, also in two heights of 3'-3 3/8" and 9'-10 1/8" (1 and 3 meters).

Next, we will illustrate some of the multiple combinations that the system offers



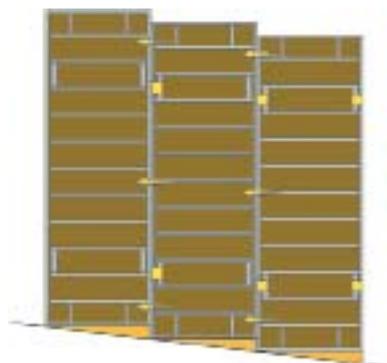
battered walls

Alisply Panels have been designed so that when the Dywidag tie bars are inserted, the steel frame is not touched. This facilitates the construction of sloping walls, and the cleaning of the components.



stepped footings

The Clamp can be attached to any part of the steel frame, giving great versatility, and enabling the construction of stepped walls, with both vertical and horizontal panel alignment.



Alisply Walls forming system solutions

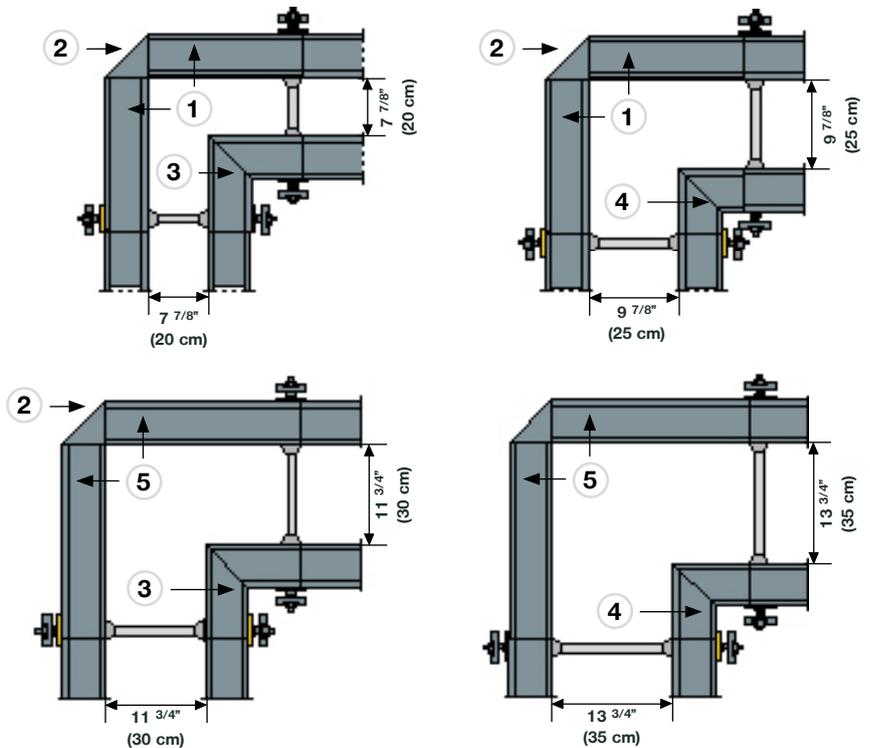
Wall corners

The diversity of the size modules available from Alisply Walls provides easy solutions for corners of the most common walls.

Using the Outside Corner Angle, two standard panels are joined with the appropriate width based on the thickness of the wall. This type of solution makes the material more cost-effective, since it limits the number of specific parts required.

The different corner measurements of inside corners provide an easy solution for where perpendicular walls meet.

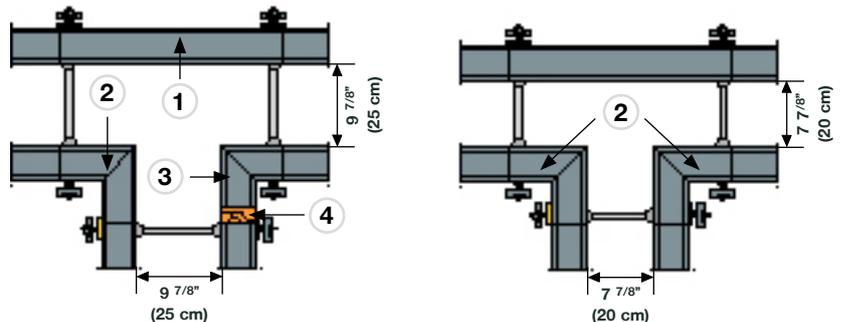
- 1.- 50 cm Panel
- 2.- Outside corner
- 3.- Inside corner
- 4.- Inside corner
- 5.- 60 cm Panel



Wall t-corners

Close-up of the separation where the walls meet with the standard components of the Alisply wall system.

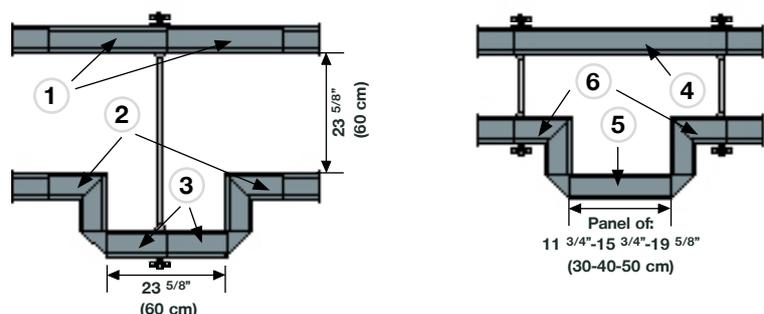
- 1.- 80 cm Panel
- 2.- Inside corner
- 3.- Inside corner
- 4.- 2" Wood filler (5 cm)



Pilasters

Close-up of the separation between the columns built against a wall with the standard components of the Alisply wall system.

- 1.- Panel of 23 5/8" (0.60 m)
- 2.- Inside corner of 11 3/4" (30 cm)
- 3.- Panel of 11 3/4" (30 cm)
- 4.- Panel of 3'-3 3/8" (1 m)
- 5.- Panel of 11 3/4", 15 3/4" or 19 5/8" (30, 40 or 50 cm)
- 6.- Inside corner

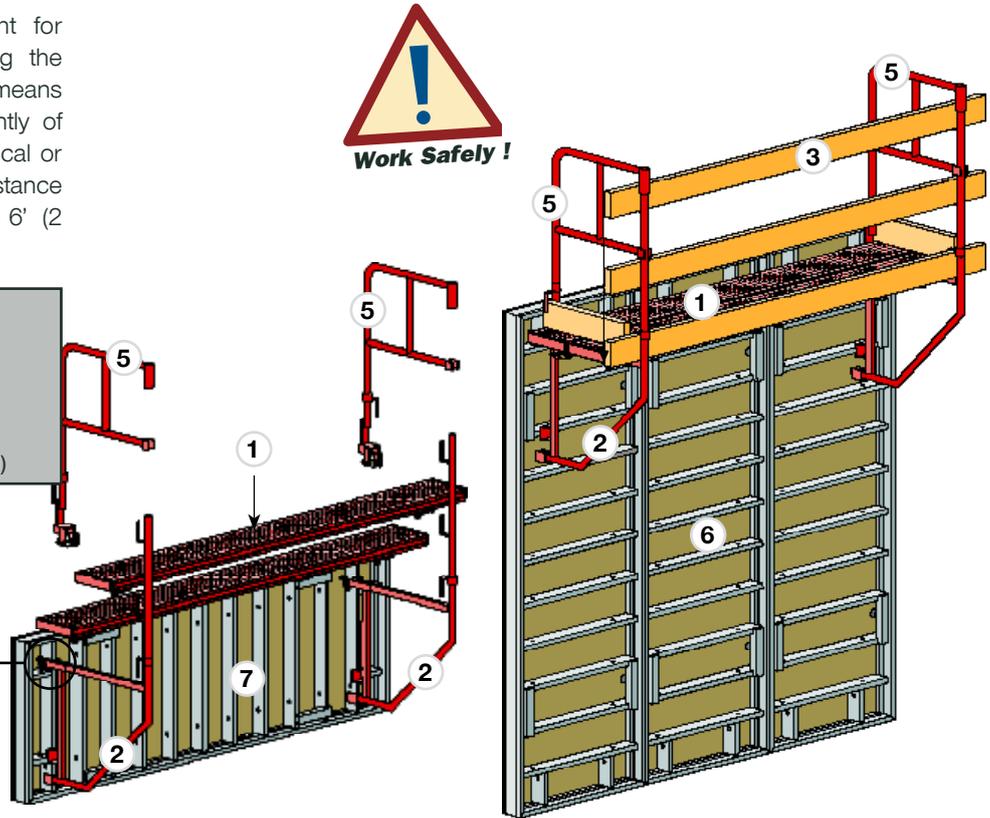
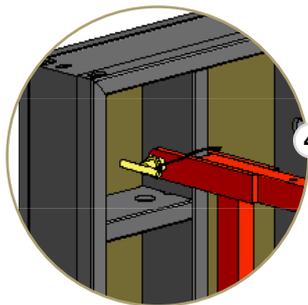


Alisply Walls forming system security

Walkway platform & walkway bracket

An essential piece of equipment for the safety of the operator during the concreting of the wall. Its design means that it can be set up independently of the formwork panel's position (vertical or horizontal). The recommended distance between concreting platforms is 6' (2 meters).

- 1.- Walkway Platform 9'-10 1/8" (3 m)
- 2.- Walkway Bracket
- 3.- Board 2" x 5 7/8" (5 x 15 cm)
- 4.- Coupling Pin
- 5.- Side railing
- 6.- 300 x 100 Alisply Panel (vertical)
- 7.- 300 x 100 Alisply Panel (horizontal)



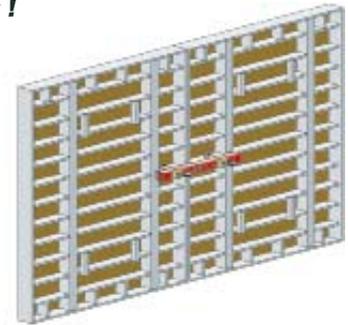
Alisply waler

Designed for use in the transportation, and handing of larger panel size where the use of Clamps is less effective, Alisply Waler give more rigidity, and provide a totally secure system that cannot be disassembled.

The Alisply Waler can be used both horizontally and vertically, for panels with a minimum width of 23 5/8" (60 cm).



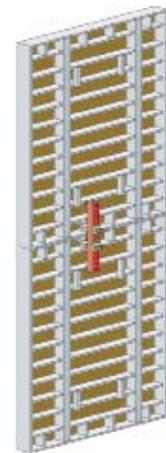
Shows the horizontal joining of two 300 x 100 Alisply Wall Panels using the Alisply Waler.



Shows the horizontal joining of two 300 x 200 Alisply Wall Panels using the Alisply Waler.



Shows the vertical joining of two 300 x 100 Alisply Wall Panels using the Alisply Waler (bottom left diagram).



Shows the vertical joining of two 300 x 200 Alisply Wall Panels using the Alisply Waler.

Tie-off rod

Indispensable component for the safe anchoring of the worker.

It is very easy to place and has several positions in any Alisply Panel.



Alisply Walls Systems Accessories

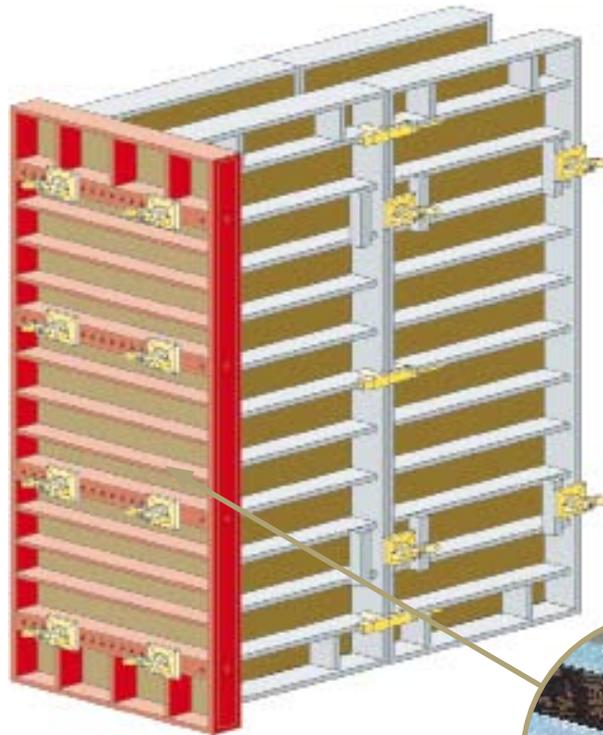
Alisply universal

A panel for defining column thicknesses used to tailor the formwork to specific measurements. This is used predominantly in wall formwork finishes.

It comprises of a metal frame, similar to that used in Alisply Walls, with 4 struts perforated with "reduction" holes every 2" (5 cm).

It enables the following wall formwork finishes:

- Bulkheads
- Starting points
- Overlaps



Shows the bulkhead wall finish using Alisply Universal. ▶



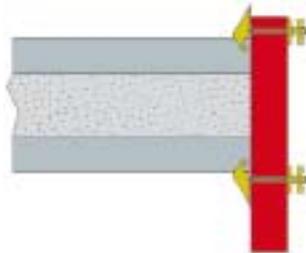
Alisply multipurpose panel - solutions for bulkheads and corners

Intended for erecting and being able to adjust the formwork to the exact measurements. Allows greater adaptability, with less parts in wall bulkheads, beginnings and overlaps.

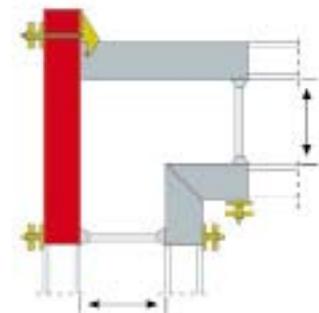
WALL BULKHEADS

The Multipurpose Panel of 3'-5 3/8" (1.05 m) can be used to make bulkheads for walls of 2" to 21 5/8" (5 to 55 cm) (in intervals of 2" (5 cm)).

The Multipurpose Panel of 4'-5 1/8" (1.35 m) can be used to make bulkheads for walls of 5 7/8" to 33 1/2" (15 to 85 cm) (in intervals of 2" (5 cm)).



▲ Close-up a wall bulkhead with the Alisply Multipurpose panel (red).



▲ Close-up a wall corner with the Alisply Multipurpose Panel (red).

Hinged corners

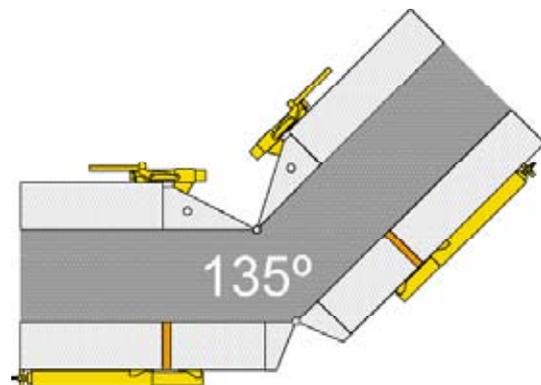
The Outside Hinged Corner panels are an easy solution for the corners of walls with non-right angles. Facilitating the joining of two standard panels with the appropriate width based on the thickness of the wall.



Outside hinged corner 3 7/8" (10 cm)

The Outside Hinged Corner of 3 7/8" (10 cm) is an easy solution for the corners of walls with non-right angles with the following characteristics:

- Minimum angle: 35°
- Maximum angle: 180°



Inside hinged corner 11 3/4" (30 cm)

The Inside Hinged Corner of 11 3/4" (30 cm) is an easy solution for the corners of walls with non-right angles with the following characteristics:

- Minimum angle: 70°
- Maximum angle: 245°

