

Aluma EasySet®

Introduction

With more than 35 years of experience in shoring and formwork, **Aluma Systems** is pleased to introduce **EasySet®**. This new integrated forming and shoring system can be used in virtually any application where reinforced cast-in-place concrete is the specified method of construction. As with all **Aluma** products, safety and quality are of primary importance and when combined with competitive pricing, engineering and field support, contractors will be sure to see and experience the **Aluma** full service advantage.

Versatility

The **EasySet®** system provides the option of a monolithic and/or a 2 stage casting design offering flexibility to suit any application. The **EasySet®** offers stay in place posting for slab work, thus eliminating re-propping



Safe

- Engineered by an experienced, safety-award-winning team.
- Manufactured under a tight quality control program.

Smart

- Unique panel construction.
- Monolithic and/or 2 stage casting.

Efficient

- Stay in place posting for slab work, no re-propping required.
- Wedge and Pin allow for easy connection and quick stripping.

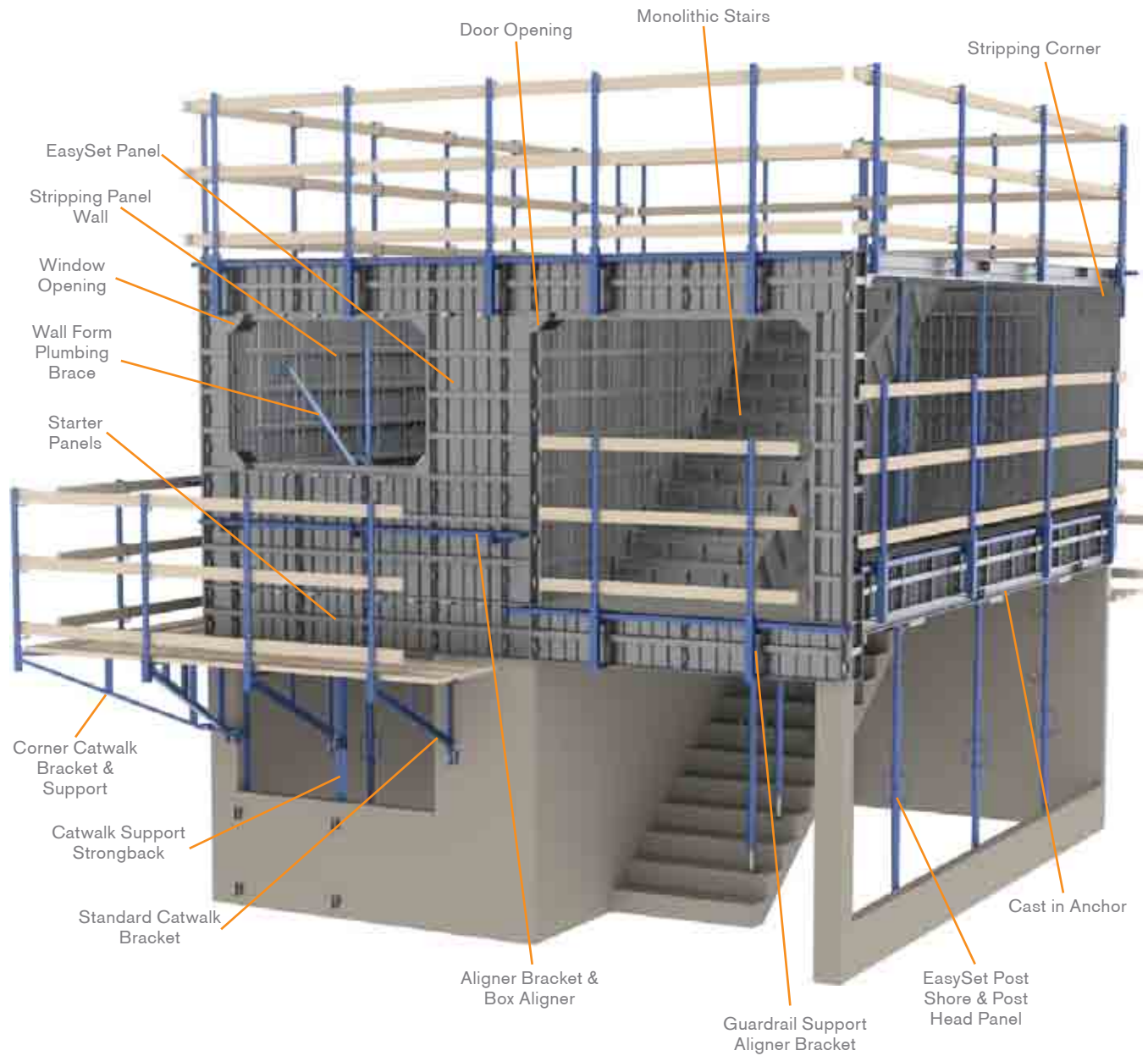
Aluma EasySet®

Aluma EasySet® offers a lightweight, cost effective, and complete all aluminum solution to the contractor's shoring and forming requirements. Although this system is primarily aimed at low-rise residential developments, it can be utilized for any CIP application.

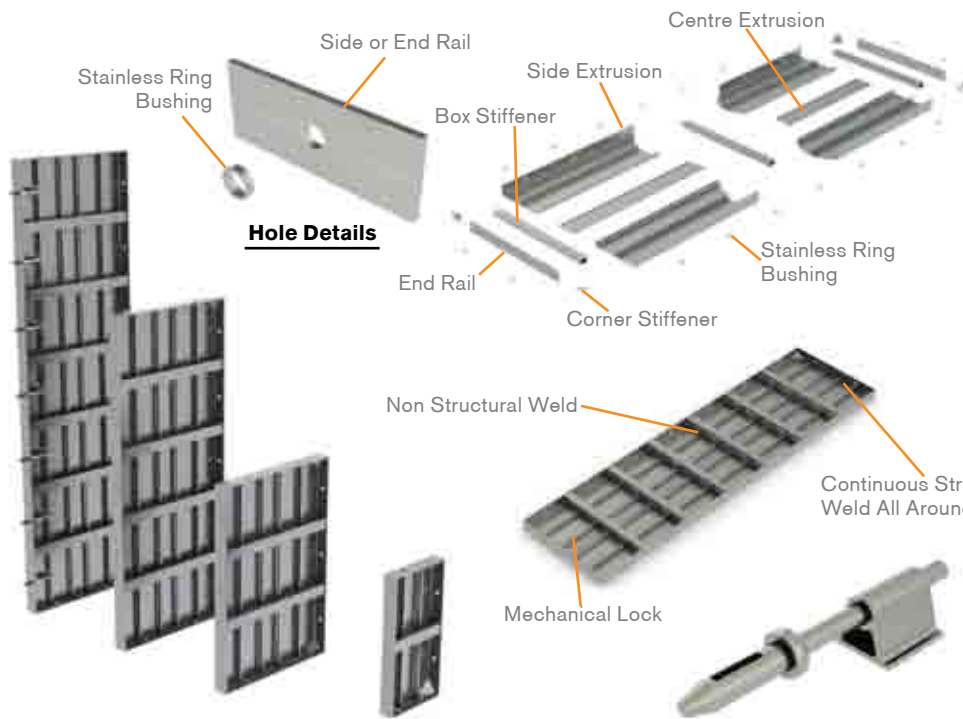
- **E** - fficient, ease of assembly, no crane required, economical.
- **A** - daptable, can be used as monolithic or in two stage casting applications for any geometry.
- **S** - ystematic, specifically designed to suit the clients needs, simple and easy to erect.
- **Y** - Why...because of the unbeatable value and service **Aluma** supplies with all its products.



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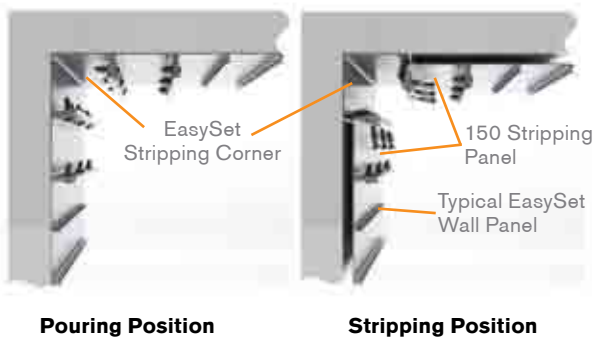
Each extrusion of the **Aluma EasySet®** panel is manufactured using 6061-T6 aluminum alloy, configured to integrate the face sheets and rails using interlocking connections.

Each extrusion is mechanically locked by an aluminum stiffener minimizing the amount of welding, therefore reducing the maintenance required over the life of the panel while maintaining structural integrity and rigidity.

The stiffeners provide two functions:
 (1) Structural strength
 (2) Practicality. Panels can be easily maneuvered via the stiffeners.

Easy to clean, flat side rails are designed for the rigidity and strength required by today's construction demands. Rails are notched for tie placement.

Quick strike chamfers allow for easy removal of slab and wall panels and create a systematic striking sequence that will be repeated every time the system is used.



Aluma EasySet® system offers an integrated pin and wedge system on all standard wall and deck panels which is easily replaceable if damaged.

By having an integrated pin, there are less loose pieces to account for on site, reducing labour time and lost hardware. Loose wedge and pins are included in the system to connect smaller non-standard panels and accessories.

The combination of pin and wedge connections allow easy connection of accessories such as guardrail brackets, aligner brackets and plumbing brace brackets.



Aluma EasySet® flat ties fits into pre-cut recesses in the EasySet panel and is secured to the panels using the Pin & Wedge. When properly secured, the flat ties provide lateral restraint for wall panels.

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To properly secure panels at an outside corner, a 60x60 aluminum angle is used to connect the two adjacent panels.



For multi-story buildings, a set of **EasySet Starter Panels** are employed to provide a starting platform for the panels of the subsequent pour which maintains a consistent construction joint.



When the structure ends at a slab edge, the slab edge panel will be anchored into the concrete with a re-useable high tensile concrete screw & M16 bolt. The slab edge panels can now act as starter panels for any panels that are required to form any upturn beams above the slab edge.



Aluma EasySet® Catwalk Brackets are fixed to completed concrete walls using a simple pin & wedge connection to existing ties to provide a safe working platform for workers to access the exterior of the building. At locations where there is an opening, a Catwalk Support Strongback can be used to provide mounting point for the Catwalk Bracket.



Aluma EasySet® panels are fully strikeable, propping remains in position to support green concrete.

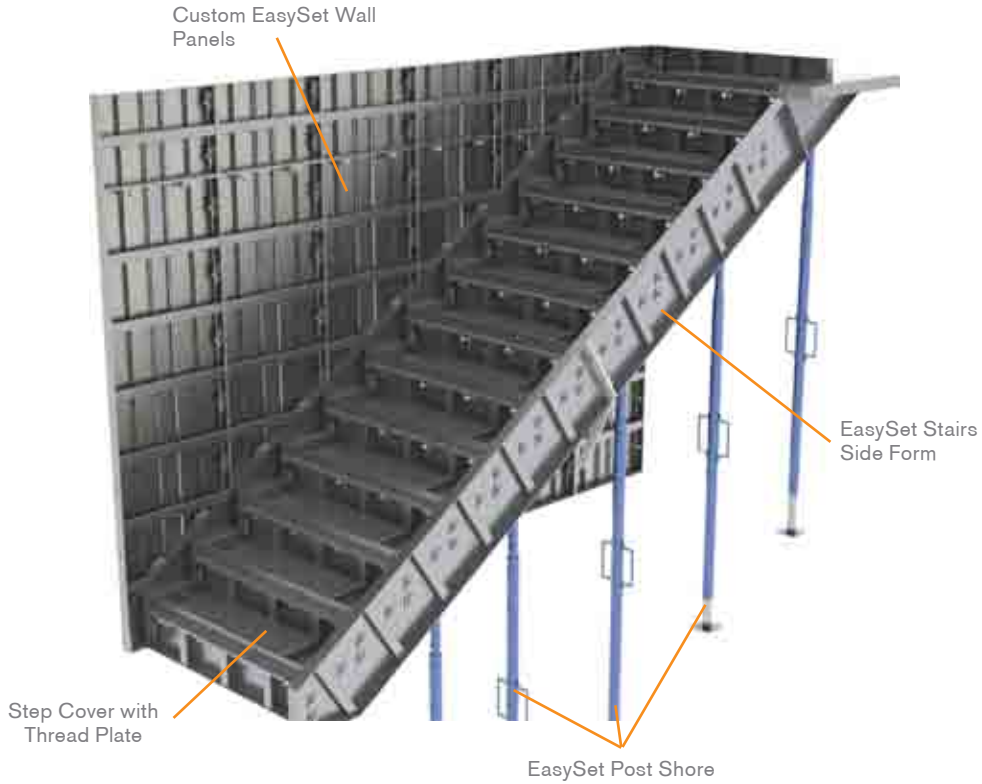


Aluma EasySet® Corner Catwalk Bracket allow additional perimeter access where required, providing additional room at the corners of the building.

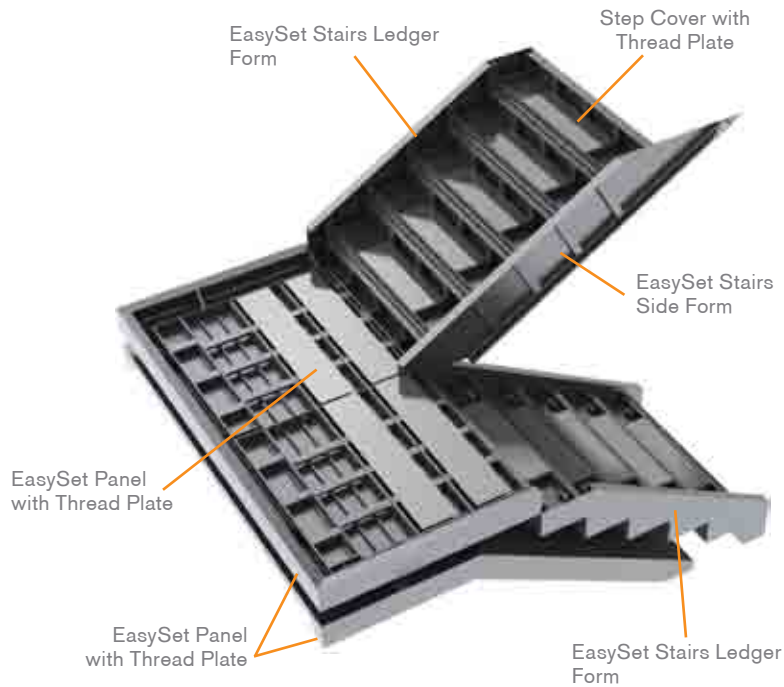


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Aluma EasySet® Stair forms are designed to allow walls and stairs to be poured simultaneously. The stairs forms can be completed with a step cover to allow for even faster pouring. As an added safety feature, a thread plate is attached to each step cover to provide safe access for workers to travel up & down the stairs. Stairs without top covers can be provided upon request.



EasySet Stair Form for Single Flight Stairs

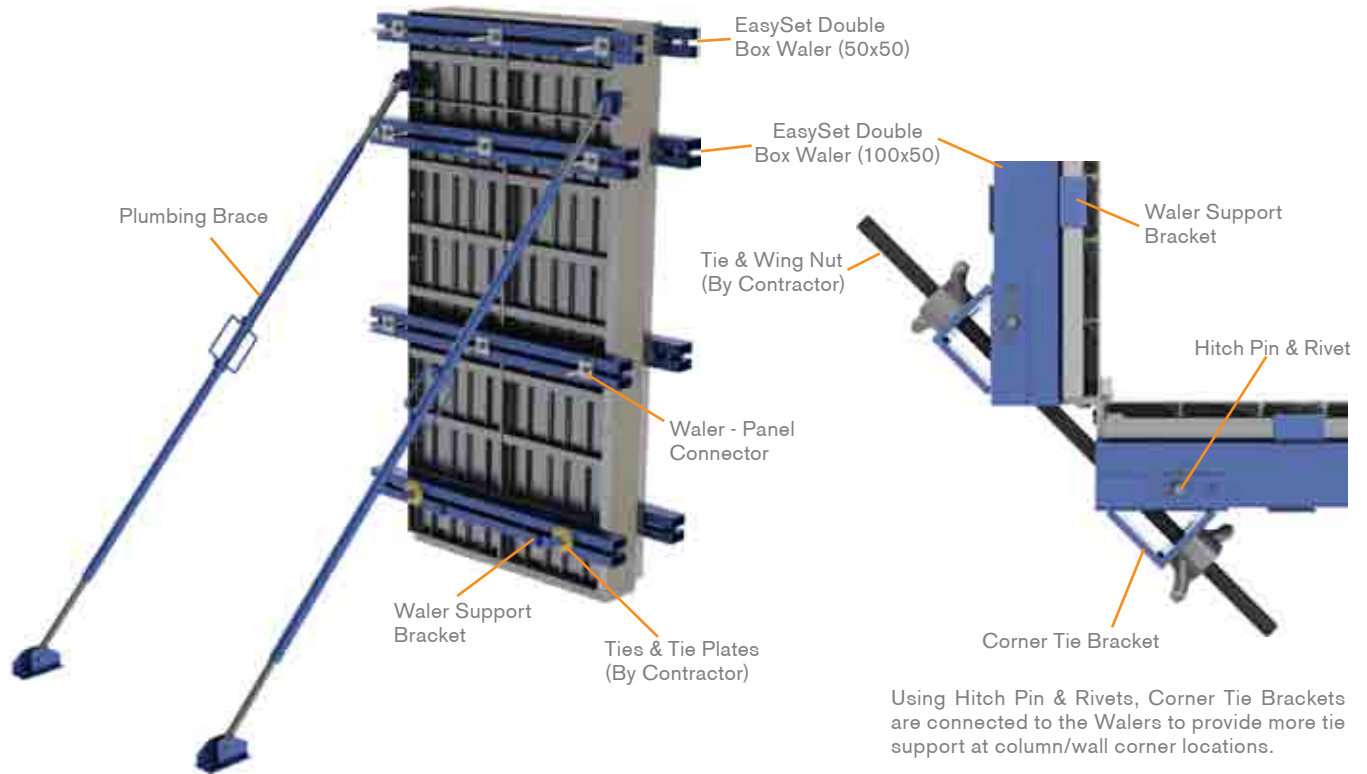


EasySet Stair Form for Multi-Flight Stairs

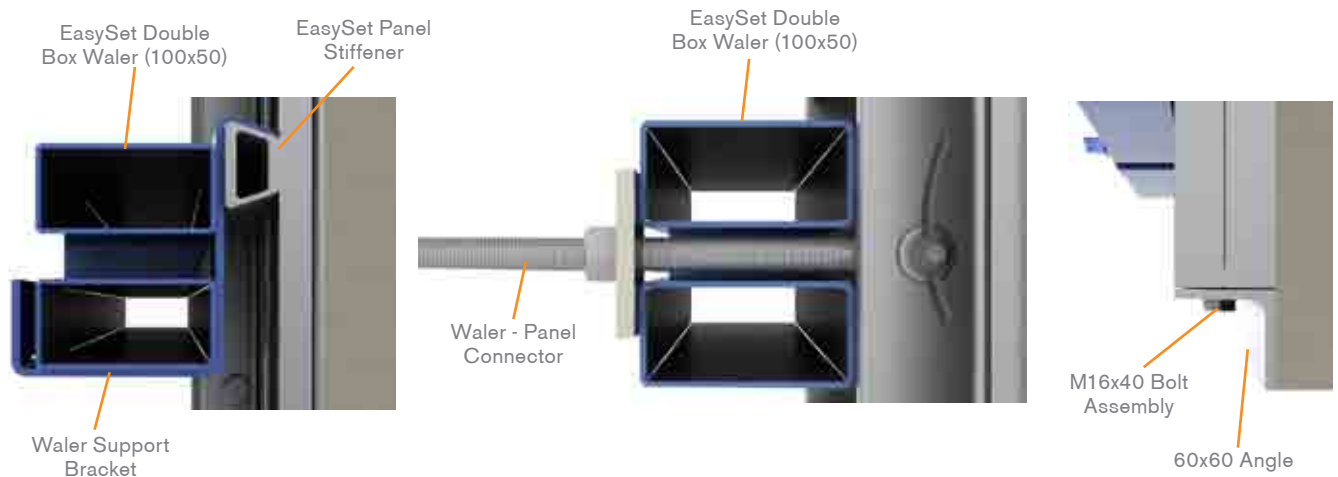
Stair forms can be easily configured for use inside building cores as an alternative to precast stairs. It can also be supplied as an independent stair core form for multi-storey buildings.

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Aluma EasySet® Walls & Column Forms can be used to form large walls & columns where flat ties are not practical or not preferred. In this case to ensure the strength of the system, double box walers & ties are used.



Using Hitch Pin & Rivets, Corner Tie Brackets are connected to the Walers to provide more tie support at column/wall corner locations.



The Waler Support Bracket hooks onto the panel stiffeners of an EasySet panel. The bracket supports the double box waler until it is tied through by contractor.

All Walers can also be connected to the EasySet panels with the Waler-Panel Connector at any hole location. This tightens and aligns the form as well as gangs them together.

To protect the EasySet Panels from damage and to allow easy striking. Angles are bolted to the bottom to the panels allowing the panel to be tilted away during striking.

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- **Aluma EasySet®** is designed for 6100 kg/m² concrete pressure.
- Typical tie bar spacing at 30 cm or 60 cm c/c depending on wall height and pour rate.
- Panel width between 15 to 60 cm with standard panel height in increments of 30 cm to a maximum height of 2.1 m (approx. 20 kg/m²).
- Custom widths and lengths can be supplied according to project requirements.
- Face sheet thickness from 3.2 mm to 3.5 mm. For custom panels the face sheet thickness is 4.0 mm.
- Chamfered edge panels have been developed to assure quick and easy stripping.
- Extruded corners with chamfer edges are made to allow monolithic wall/slab pour and quick-easy stripping



Consult our Engineering Department for assistance in the application of these accessories. Illustrations and photos are not to scale. All dimensions nominal.

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