



Alpha Promotions Pty Ltd T/a Eco ICF Builders  
David Kuhnert Builders License No.10415

ABN 76 010 949 729

Office 07 5445 9971

Fax 07 5445 9971

Mobile 0414 664 748

Email [ecoicf@iprimus.com.au](mailto:ecoicf@iprimus.com.au)

www [ecoicfbuilders.com.au](http://ecoicfbuilders.com.au)

## Installing the Bracing System

- When you have completed your third or fourth course of Eco Block, it is time to stand and attach the bracing system to the Eco Block wall.
- **Braces are to be spaced .840m off the corner and .230m the opposite way, then between 1.220m to 1.820m intervals. The intervals are determined by the size of the concrete cavity.** For example for a 101mm concrete cavity the bracing may be at 1.8m, whilst for 152mm cavity the braces may be placed at 1.420m or 1.620m intervals.
- **You place a brace either side of a window or door opening, but they are left off until the ply is screwed to the window and door frame and the block and they get screwed to the ply.** Also on wide windows bigger than 1800mm wide will have one brace in the middle.
- Place the **strong back precisely on the chalk line** that was previously snapped on the footing/slab.
- The **strong back** must be aligned with the plastic web.
- Use a 10G 12mm x 30mm Hex. Head screw and washer to screw the **strong back** to the web.
- When screwing the **strong back** into the webs, make sure to place the screws in the top of the slots, snug them, but do not over tighten. This will allow the forms to “settle” slightly as the concrete is placed.
- When the wall is plumb, attach the **foot** of the **strong back** to the slab or footing with concrete tap cons.
- Place the seat platform of the brace on the **strong back**.
- Now secure the **diagonal turnbuckle** to the slab or soil making sure the turnbuckle is in the middle position so it can be adjusted in either direction.
- **Note:** If the walk boards are 2.4m or more above the ground, you must install the hand rails and toe boards. **We recommend that you use the hand rail at all times.**

The photos will show you the processes to install the brace.



Put string line around the outside of top of wall with spacer blocks at the corners, to be left until after the pour.



When fixing Strong Back to floor with 6.5mm blue concrete screws.



Placing seat and brace on Strong Back.



Fixing brace to concrete floor.



Putting braces from bottom to top through stairwell.



Positioning of planks and kickboard.



Adjust turnbuckle to plumb wall.