



WHAT ARE FORM-LOCKS

Form-locks is a unique reusable clamping system for use with Plaswall formworks its is light easy to install and completely reusable .

It allow easy pour filling of Plaswall at any speed with hand poured or ready mixed concrete and even with Plasmolite liquid foamed concrete

It can be removed after only 24 hours setting of the concrete

It is a light easy two man installation with no cranes or lifting equipment .

It reduces the manpower skills required to pour Plaswall formworks in all applications .

It allows use of thinner boards if required .



FORM-LOCKS



Plaswall panels are installed as per the normal procedure using reusable angles or bottom GI tracks concrete nailed or concrete bolted to slab this will keep panels aligned and by the use of temporary braces the panel is installed and plumbed vertical .



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once panels installed and temp braced (on rear side) the first rail can be installed , it is secured down to the slab with rail clamps as shown , these are secured with concrete nails or preferably reusable concrete screws , once done a 10mm hole is drilled horizontally through the rail hole as shown , every 4th hole



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Once rail is installed and clipped down insert the first pin clamp with backing plate through the hole and out the other side .



Once pin is inserted the worker on the other side of panel installes the pin lock clamp into the groove on the pin shaft and tightens it with the allen key wrench .



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once the pin lock is on the installer can proceed with rotating the pin out which pulls in the rear clamp , pin should be just lightly tightened at this time to enable easy install of plywood .

repeat this for all 4 pins used on every rail



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the installer can proceed with installing the first plywood 2 feet by 8 feet sheet



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the plywood will slip easy into the rail and be held , once this is in place the bottom rail clamps can be tightened to hold the plywood firmly in position .



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the next rail is placed and again using a drill , make holes though the centre of the rail hole to allow the pin to pass through the wall .



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then install the other 3 pins and clamps tighten lightly before installing next plywood



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then install the next plywood .



**tighten the pins ready to
install next rail**



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install the next rail and lightly tighten the first pin , once done install the balance three pins again lightly tighten prior to next plywood install



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install the next plywood



WHAT IS ECOTECSYNERGZ FORM-LOCKS



position the next rail , drill the holes for pins and insert first pin and lightly tighten to hold all in position



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Then install the pin clamps and tighten



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Once all clamps tight install the vertical braces



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secure the brace pad to the concrete slab by either concrete nails or preferably reusable concrete screws



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when secured the brace turnbuckle can be rotated to fine tune the vertical plumb of the wall , prior to this the temporary braces attached to the rear of the wall should be removed .



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All pin clamps can then be checked for tightness and braces adjusted to get the best vertical and straightness of the wall and then the wall is ready to pour , it takes approx. 15 minutes to install the panel clamps system per 8 feet of wall with two men , once poured the system can all be removed after 24 hours and moved to new location .

All items are infinitely reusable , all items in contact with concrete are stainless steel .