EXTRUTECH FORM PANEL

ExtrutechFORM® System

P824 Panel

STEP-BY-STEP INSTALLATION

Extrutech Plastics, Inc.  www.epiplastics.com  Phone: 888-818-0118
Move earth in preparation for building construction
Put down a good footing per specifications of project, for this job we used 2x6x24” wide – five bag mix with 3/4” stone
Layout outside of walls with a chalk line and square. Double check dimensions before starting walls. Once footing is setup and forms removed, sweeping off any loose stone.
Before starting make sure you have all tools, and material needed for the project, along with Safety Glasses, Hard Hat, and Gloves.
Install 2x4’s on outside of chalk line with hammer drill and 16d nails 2’ to 3’ apart.
To set 2x4’s to outside of wall, drill holes and drive 2 -16d in to secure.
16” LONG REBAR

FORM (SAMPLE PANELS)

Locate holes for rebar using form samples for spacing
Pre-drill holes for corners and first panels off corners in both directions.
16” LONG REBAR

Install short rebar in holes – 16” long starting at a corner
Mark out holes for rebar using form samples for spacing.
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Install short rebar in holes – 16” long starting at a corner
Install corner and first panel, inside 2x4’s once rebar is installed in footing
For Bracing, to keep top of walls straight, install 2x4’s along the top perimeter of wall panels, using available brackets to tie sides together.
Brace top of first panel and corner in both directions, install (2) spline at each joint, full length of panels to lock panels together, and use silicone to ease assembly.
Brace top of first panel and corner in both directions, install (2)spline at each panel joint, full length of panels, to lock panels together, and use silicone to ease assembly.
HORIZONTAL REBAR LOCATIONS

SPACING AND SIZE PER DESIGN REQUIREMENTS
Install FORM Panels by tipping bottom edges into installed panel and bushing top into place until seams are touching.

INSTALLED FORM PANEL
FORM PANEL BEING INSTALLED

CLEAR PROTECTIVE FILM ON BOTH SIDES OF EACH PANEL KEEPS PANELS CLEAN DURING CONCRETE POUR
Install FORM Panels by tipping bottom edges into installed panel and bushing top into place until seams are touching. Use clamps to draw top together to help click together.
Brace walls at the top as you add panels always checking for level and plumb.

Use a 4 Foot Level to check panels are plumb and level as installed.
Install vertical full length rebar as panels are installed. Locate and size rebar per design requirements. Center rebar in panels as top perimeter bracing is installed.
Extra bracing is required over the area marked with red tape. Place a 2x4 edge over the taped area.
Brace walls for concrete pour, to keep top of walls straight, install 2x4’s along the top perimeter of wall panels, using available brackets to tie sides together. Brace top of walls to ground, on all sides, use adjustable brackets to adjust and straighten sides.

Install 2x4’s along top of each side of wall to keep wall straight.

Center rebar as tie brackets are installed.

Use adjustable brackets to aid in straighten wall.
Brace top of walls to ground, on all sides, use adjustable brackets to adjust and straighten sides. Use steel or wood stake’s 16-24” into the ground to secure bracing, Check all bracing is secure before concrete pour.
Start with one corner, bracing in both directions, setup panels working your way along the wall, bracing and installing rebar as you go.
Start with one corner, bracing in both directions, setup panels working your way along the wall, bracing and installing rebar as you go. Check spacing and install last panel at an opening or end of wall.
Brace walls for concrete pour, to keep top of walls straight, install 2x4’s along the top perimeter on both sides of wall panels. Brace top of walls to ground, on all sides, use adjustable brackets to adjust and straighten sides. At this time also install any utility access that will be in the walls.
Review wall bracing prior to concrete pour, check that the walls are straight, and you have install 2x4’s along the top perimeter of wall. That the walls are braced from the top of the walls to the ground, on all sides, use adjustable brackets to adjust and straighten sides. Check that any area marked with red tape has bracing over it. That all utility access holes are capped, and not allow concrete to leak out.
As you are filling the walls with concrete, use a rubber mallet to pound on the wall forms to help settle the cement during the pour.
As you are finishing the concrete pour, start cleaning off the top of the walls. Once you are done pouring, finish cleaning off the top of the wall and spray off any extra concrete that has splattered on the wall. Also you should now peel down the top half of clear protective plastic film on the panel. Let the concrete set 24 hours before removing bracing.
Allow 6-7 days for the concrete to cure, checking for any moisture at the base of the wall, if all is dry you can begin to back fill or set trusses. For larger project allow 2 weeks for the concrete to fully cure.