

INSTALLATION INSTRUCTIONS

FP ULTRA LITE FOUNDATION INSULATION PANELS

Applying FP Ultra Lite Insulation Panels

Required Tools: Shovel, Wire Brush, Utility Knife, Rasp, Rigid Foam Adhesive and/or Styro Tapit Fasteners, J-Channel (optional), Hammer, Drill with Masonry Bit (Hammer Drill works best), Tape Measure



The first step, after contacting your utilities company, is to dig a trench 6" to 12" down along-side the foundation. Seating the panels below grade will help control energy loss.

Next, take a wire brush or a firmly bristled nylon brush and brush the foundation to remove any dirt, dust or loose particles. This is especially important if you are going to use adhesive to fasten the panels.



If the siding on your home does not extend out far enough to cover the tops of the insulation panels, J-Channel can be used.



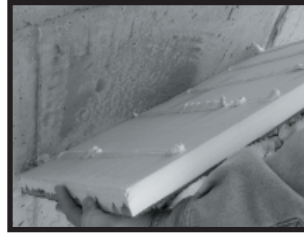
J-Channel is easily fastened underneath the siding using 1" Styro Tapits or similar fasteners. J-Channel helps keep the panels snug against the foundation and gives the panels a nicely finished appearance.



J-Channel is available in 10 foot lengths of Brown, Tan and White. J-Channel

is made of aluminum and is easy to cut with a pair of tin snips.

Now it's time to start putting the panels on the foundation. The panels can be fastened using adhesive and/or Styro Tapit fasteners. Rigid foam



adhesive such as Styro Industries Clear Mastic or PL 300 can be applied to the panel backs in vertical stripes 12" to 16"



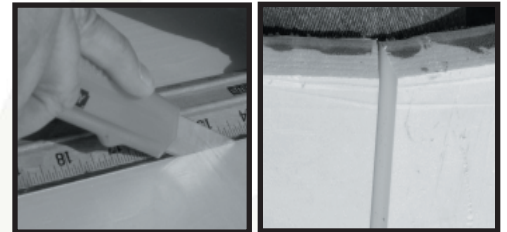
apart. Pushing the panels firmly against the foundation and immediately back-filling will pin the panel in place as the adhesive dries.



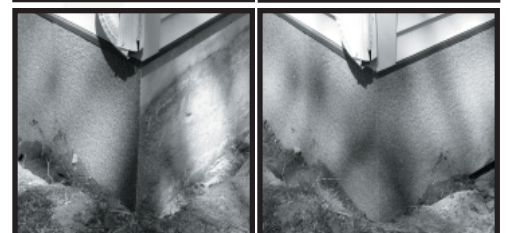
Another popular method is to use fasteners in conjunction with adhesive. Fasten the panels using adhesive and drill holes through each panel (every 12" - 16") and into the foundation below grade.

Styro Tapits are hammered into these holes keeping the panels firmly in place. These fastener heads are covered when the area is backfilled. Any fastener heads above grade are easily hidden using clear caulk and matching stone aggregate. Fasteners alone can also be used to attach the panels.

The panels are easily cut using a utility knife and then snapping the panel like a sheet of drywall. A circular saw fit with a masonry blade also works well, especially if the project requires extensive cutting.



Corner pieces are made by rasping the edges down at 45 degree angles or by cutting the edges with a utility knife or a fillet knife. This will form tightly fitting corner pieces.



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Installation Instructions (continued)

Continue moving along the foundation, measuring each area to assure proper fit, cutting the panels if necessary and then fastening the panels to the wall using either adhesive, and or Styro Tapit fasteners. Push each panel firmly against one another to keep the seam gaps at a minimum.

If the project requires that panels be placed on the foundation over walkways and driveways be sure to leave an inch of space at the bottom edge of each panel. This will protect the panel edge as the walkway or driveway heaves upward during natural freeze/thaw cycles.

Seams and fastener heads can be completely hidden with clear drying caulk and matching stone aggregate.



First, run a bead of clear caulk along the seam or over the fastener head, then simply hand seed some matching stone to cover it up.

This method can also be used to repair damaged panels. Caulk all seams between the panels and the siding, window-wells and J-Channel when the project is finished.

- Frequently Asked Questions

1) How are the FP PANELS cut?

A: They can be cut from the back (foam side) with a utility knife and snapped like drywall or with a circular saw fitted with a masonry blade.

2) How is the FP PANEL installed?

A: The FP Panel can be adhered with rigid foam adhesive (PL 300, Clear Mastic) and or fasteners.

3) How are seams covered?

A: Aggregate Panels: Matching stone (sold in 5 pound bags) can be hand seeded into caulked seams and corners.
Stucco Textured Panels: Seams and corners can be caulked with concrete grey or clear caulk. In many cases the seams between panels is not very noticeable and can be caulked and left as is.

4) How are corners handled?

A: Corner pieces are made by cutting the panel ends on an angle. When pressed together on the foundation they form a corner where the two panel ends meet. Small pieces of J-Channel can also be cut to use as corner pieces.

5) Are the FP PANELS Weed-Wacker Resistant?

A: Yes, the finish is extremely durable. The FP PANELS will withstand moderate to heavy impact damage.

6) Can the FP PANELS be repaired?

A: Aggregate FP PANELS: By first caulking damaged areas with clear or matching colored caulk, Matching Stone (sold in 5 pound containers) can be hand seeded to disguise any damage.

Stucco Textured FP PANELS: Damaged areas can be Sticky Meshed and coated with TUFF II in a color that matches the color of the panel.

7) Can I use the FP PANELS under a Mobile Home as Modular Skirting or around a Sunroom?

A: Yes, the FP PANELS panels work great as modular skirting and around sunrooms.

8) Can I use the FP PANELS indoors?

A: Yes, but the FP PANELS panels are not fire rated so please check with your local building codes.

9) Do I need to use J-Channel trim with the FP PANELS?

A: J-Channel trim is optional. If the siding on your house extends out far enough to cover the top of the panel the J-channel is not always necessary.

10) Can I use the FP PANELS on Stone or Block foundations?

A: Yes. By attaching J-Channel up top and fasteners below grade the panels will stay in place very nicely. Adhesive can also be used to increase bond. Even if the panel doesn't contact the foundation throughout it's entirety, the pockets of "dead air" will work to increase overall R value. Fasteners can also be used above grade if necessary. Fastener heads are easily disguised with clear caulk and matching stone.

11) Are the FP PANELS available in other sizes and textures?

A: Yes, the FP PANELS can be special ordered in any size up to 4' x 8' in 1", 1.5" and 2" thicknesses. The FP PANELS are great for walk-out basements, window enclosures, wall panels etc.,

12) Can the FP PANELS be used below grade?

A: Yes, in fact when installing the FP PANELS around the foundation on a home it's important to dig down 6 to 12" around the foundation so the panel sits below grade. This helps tremendously in combating foundation heat loss.

13) Will the FP PANELS work around crawl spaces?

A: Yes, any area that will benefit from increased R-Value and an attractive texture is ideal.

For additional information including installation videos visit www.styro.net