

InSoFast panels offer a solution to concrete ceilings such as pre-cast hollow core concrete planks or cast-in-place concrete. A concrete ceiling can be insulated with either the InSoFast UX 2.0 or EX 2.5 standard panel. The instructions are the same with either panel. The photos show the UX 2.0 panel.

Tools and Supplies

- Long snap off blade utility knife
- Saw – hand, jig, circular, or table saw
- Gap and crack foam for sealing corners
- Concrete screws or Tapcon® screws
- Hammer drill and screw gun.
- Do not use a powder actuated nail guns

Mechanical Attachment

Install mechanical fasteners 12" o.c. (six per panel) into the recessed attachment points on the InSoFast stud.

Drywall Installation

Drywall is installed over InSoFast panels in the same way as traditional wood framing. Attach drywall to the InSoFast studs using standard coarse thread all-purpose drywall screws. The InSoFast panel provides solid backing for drywall around the perimeter. The ceiling drywall is locked in place when the drywall is applied to the walls.

As with all foam insulation products, a 15 minute thermal barrier, such as 1/2" drywall, is required.



Panels installed with Tapcon screws.



Panels installed with Tapcon screws.



Ready for drywall.

Adhesive/Mechanical Attachment

Apply a 3/8" bead of PL Premium 3X Construction Adhesive on the backside of the studs which have the ribbed surfaces. Apply an additional bead of adhesive to the foam along any cuts.

Panels are mechanically locked in place when the adhesive sets in the hundreds of interlocking dovetails on the back of the stud.

Install one a mechanical fastener in the recessed attachment point per panel to hold in place until the adhesive has set.

Third party testing shows the ultimate strength of a single bead of adhesive is over 800 pounds per foot which is equal to concrete screws 6" o.c. However, it is up to your local building code official to determine if additional mechanical attachment is required. See product testing for more information.

PL Premium 3X Stronger Construction Adhesive is the only recommended adhesive for adhering the InSoFast panels. Other formulas and brands may not work as expected. One 28 oz. tube covers 50 s.f.



Apply PL Premium to the studs.



Install ceiling panels first.

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Made in USA · US Patent No. 8,635,824 · CA Patent No. 2,761,810 · US & Foreign Patent Pending

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