

InSoFast

Engineered Insulation Panels

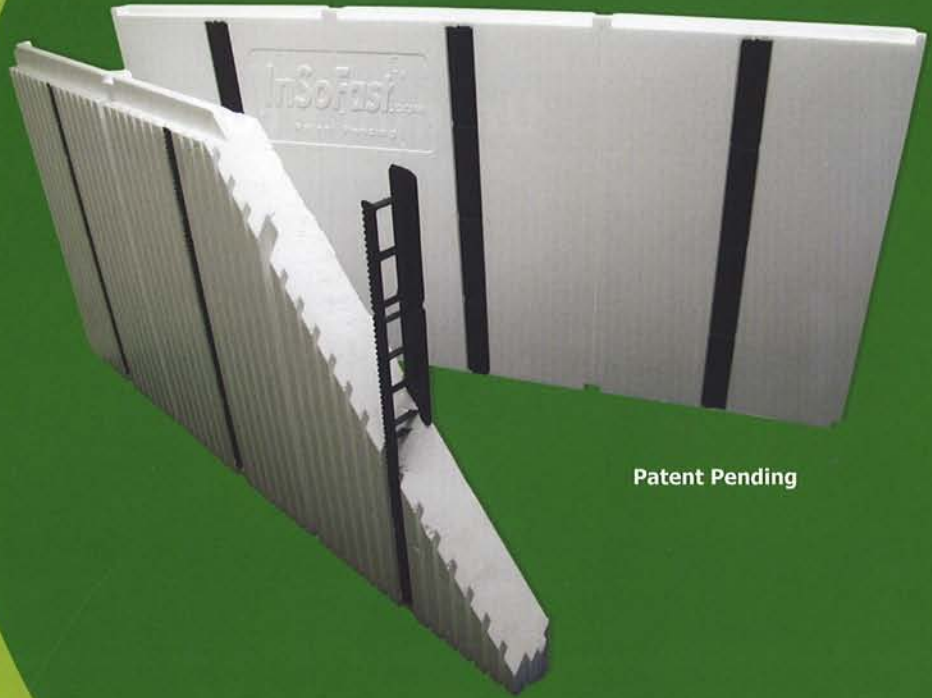
Interior • Exterior

New Construction • Retrofits

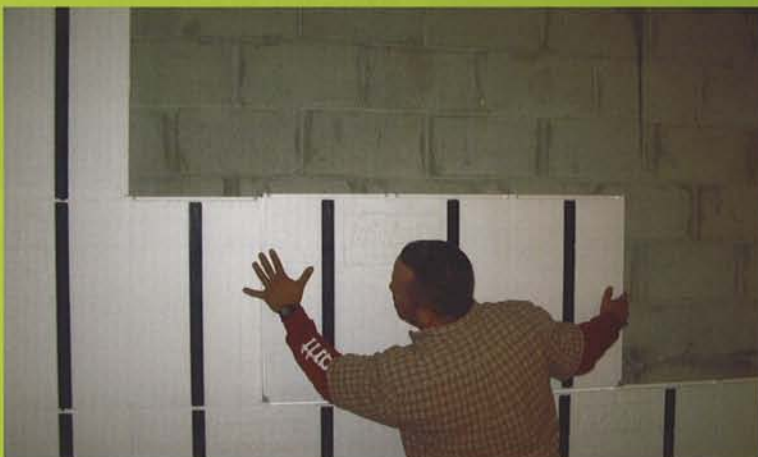
InSoFast Panels . . . Eight construction processes in one simple panel:

- Wall Studs & Framing
- Closed-Cell Insulation
- Fully Insulated Studs
- Drainage Channels
- Wiring Chase Network
- Class III Vapor Retarder
- Weather Resistant Barrier
- Solid Backing for Drywall

Continuous Insulation



40% Recycled Content ♻️



- Self-Framing Panels
- No Thermal Bridging
- Fast, Press-In-Place Installation
- Continuous, Flashed Moisture Barrier
- Will Never Rot, Twist, Warp or Decay



Fast, Easy Installation -- Just Four Simple Steps



1. Apply Adhesive



2. Press into Place



3. Run Electrical



4. Install Drywall

Unique Product Features



Alternate Attachment

- Recessed attachment points allow mechanical attachment
- Accommodates screws, nails, or drive pins
- Use over existing surfaces



Drainage Plane

- Drainage plane flashed to quickly handle bulk water
- Works for interior or exterior applications
- Promotes quick drying



Tongue-and-Grooved

- All edges lock together to form a flush surface
- Alignment notches lock panels together and maintains correct stud alignment



Electrical Chases

- Easy access wiring chases allow for changing or updating
- Accommodates Romex, metal clad cable, rigid conduit
- Easy tenant change-outs

Product Specifications

Physical Properties of InSoFast Panel	Size	Thickness	Coverage
InSoFast Panel	4' long x 2' wide	2"	8 SF
Drainage Plane Channels 1" o.c.	1/4" x 1/4"	--	--

Physical Properties of Wiring Chases	Chase Dimension	Depth below Surface	Nat'l Electrical Code
Horizontal Chases 24" o.c.	1-1/4" x 3/4"	1-1/4"	NEC 330-4d, 300-41a
Vertical Chases 16" o.c.	3/4" x 3/4"	1-1/4"	

Physical Properties of EPS Closed-Cell Foam	Units	ASTM Test	Results
Closed-Cell Foam Density, nominal	Min. lb/ft	C303	1.25
Closed-Cell Foam Density, minimum	Min. lb/ft	C303	1.15 (18)
Compressive Resistance at 10% Strain Deformation	Min psi (kPa)	D1621, C165	13.0 (90)
Flexural Strength	Min psi (kPa)	C203	30.0 (208)
Thermal Conductivity (R-Value) 75 +/- 2F InSoFast Panel Assembly over Concrete	Min R for 1" thickness	C177, C518	4.45 R-10+
Moisture Resistance - Water Adsorption by total immersion	% by volume Max.	C272	3.0
Class III Vapor Retarder: Water Vapor Permeability of 1" thickness max. perm	Max. perm/in	E96	3.5
Capillarity	--	--	None
Max. Service Temperature: Long Term/Intermittent	Fahrenheit	--	167 / 180
Flame Spread	--	E84-81A	5 @ 4"
Smoke Developed	--	E84-81A	105 - 190

Polypropylene Stud and Adhesion Testing	Units	ASTM Test	Results
Testing of #6 - 1-1/4" Standard Drywall Screws			
Pull out (Fastener Withdrawal)	lb/f	D1761-06	211
Shear (Lateral Screw Resistance)	lb/f	D1761-06	403
Adhesion of PL Premium Adhesive and Stud Material			
Peak Stress per square inch of stud material	psi	D4541-02	108
Peak Stress per 1 lf of stud material	ps/lf	D4541-02	972

This information in this bulletin is presented in good faith, and is believed to be accurate. All statements are made without warranty expressed or implied.

Installs Faster than:

- Z Furring & Rigid Foam
- Wood Stud Construction
- Metal Stud Construction

Marketed by:



InSoFast, LLC
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