



**LiteForm** specializes in the manufacturing and design of highly efficient insulating concrete form (ICF) systems. Pat Boeshart, founder and CEO of *LiteForm Technologies* in South Sioux City, Nebraska, spent his early career as a professional contractor. After being introduced to ICF construction in the 1980s, Pat invented and patented the components for the LiteForm® concrete form system.

**Simplifying concrete construction using a plastic technology that is fundamentally changing the construction industry.**

In addition to FlexxBoard25, the LiteForm family of products include FlexxBlock Insulating Concrete Forms for residential and commercial projects and LiteDeck solid concrete alternatives for floor, roof and deck applications in residential, commercial and safety structure projects.

LiteForm is dedicated to providing builders strong, versatile insulated concrete form products that save time and add to the bottom line, while providing homeowners with a stronger, safer structure and unmatched energy efficiency.

### Specifications Chart

Property	Units	ASTM Test	RESULTS
Sheet Dimension	4' x 8'	-	-
Density Classification	pcf	-	2.0
Thermal Resistance at 75°F (R-Value)	1 Inch thickness	C-518-04	4.54
Strength Properties, Mimimum			
Compressive 10% Deformation	psi	D1621	32.8
Flexural	psi	C203	47
Dimensional Stability	%	D2126-09	2.0
Oxygen Index	Volume %	D2126-09	24.0
Thermal Conductivity K Factor at 75°F	BTU/(hr.)	C-518-04	.232
Modulus of Elasticity	(sq. ft.) F/in.		
Moisture Resistance, Maximum			
WVT (water vapor Transmission)	perm./In.	E96	2.65
Absorption (vol.)	%	C272	2.4
Capillarity	-	-	none



1.800.551.3313 [www.flexxboard.com](http://www.flexxboard.com)  
FlexxBoard25 is manufactured by LiteForm



## The Ultimate Dual Purpose Construction Grade Foam



**The Construction Grade Foam for use both as superior insulation and as under-slab thermal barrier.**

**FlexxBoard25** was developed by LiteForm, one of the first manufacturers of Insulated Concrete Forms made of Expanded Polystyrene Rigid Foam Insulation (EPS).

LiteForm's proprietary processes and continual improvements led to the development of FlexxBoard25 – a rigid foam insulation board that provides improved performance over XPS (Extruded Polystyrene) – at a lower cost.

# FlexxBoard25 is the perfect foam insulation board to use above or below ground



- **Under-Slab Thermal Barrier** – When used as a thermal barrier before pouring concrete, FlexxBoard25 bonds to concrete – reducing heat loss and preventing possible frost heaving. It helps extend the life of concrete driveways, sidewalks, patios, shop and garage slabs and basements.
- **In-floor Heating** – FlexxBoard25 can be used as a thermal barrier beneath concrete slabs when installing radiant floor heating systems – preventing heat loss to the ground while promoting even heating.
- **Perimeter Insulation** – When used around the perimeter of a poured concrete or block wall foundation, FlexxBoard25 prevents heat loss. In shallow foundation designs, using FlexxBoard25 around the perimeter of a poured concrete slab will prevent frost penetration and frost heaves.
- **Custom Fill Applications** – FlexxBoard25 is simple to use in structural fill applications – custom shapes can be fabricated by LiteForm or be delivered in blocks and fabricated on site.
- **Roof Applications** – FlexxBoard25 is an exceptional insulator and fill material for all roofing applications.

## FlexxBoard25 offers many advantages at a lower cost than the competition



- Energy efficiency
- Helps eliminate frost heaving and concrete cracking
- Increases the structural integrity of concrete in both interior and exterior applications
- Bonds to concrete and will not separate like other foam products
- Moisture, mold and mildew resistant
- Will not rot, deteriorate or degrade over time, sustaining its R-Value
- Environmentally conscious formula uses a smaller portion of petroleum to make compared to other foam products
- Made of non-toxic materials that do not off-gas like other foam products
- Superior dimensional stability assures structure remains tight and energy efficient over life of building
- Acts as sound deadening, quiet barrier



is the ultimate dual purpose construction  
grade foam on the market.

**For more  
information about  
FlexxBoard25,**  
visit [flexxboard.com](http://flexxboard.com)  
or your local building  
supply center.