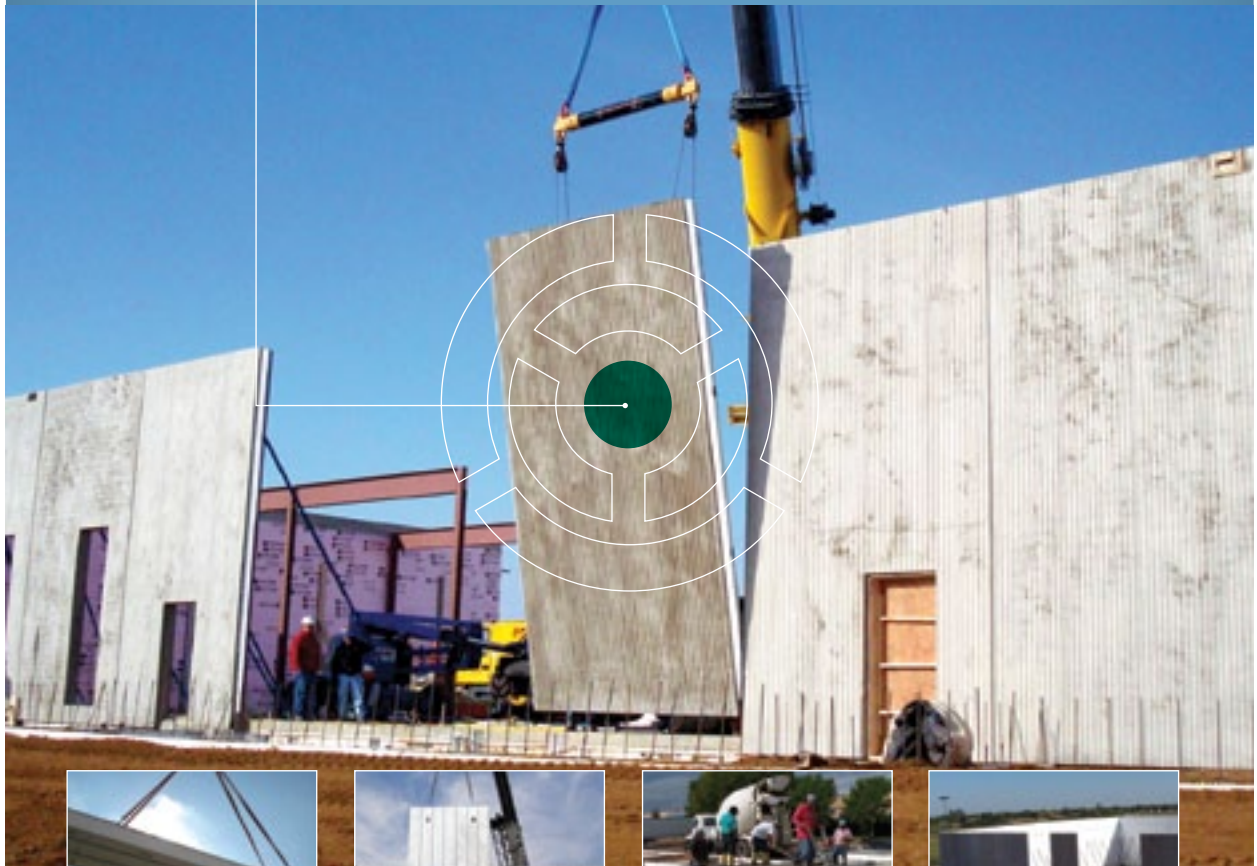


# A NEW WAY TO INSULATED TILT-UP CONSTRUCTION

Lower Construction Costs | Exceed Energy and Strength Requirements



Resilient Walls with R-40 Insulation

# LiteDeck Tilt is the Future of Climate Resilient Construction

LESS ENERGY | STRONGER CONSTRUCTION



## Experience

As a 27+-year insulation forming technology company, sustainability is embedded in our culture and our business strategy. Working to solve some of the construction industries biggest challenges inspires our thinking and drives our actions. We are committed to providing sustainable building solutions to benefit the builder, owner, and the environment.

## Service and Support

Adopting new methods of construction is not easy and we realize this. That is why we are a service and support system for projects that require a high durability, energy secure design. We don't stop at simply providing you forms. We deliver design and engineering support to eliminate the guess work ultimately simplifying routines and reducing cost.

## Cost Effective

You are buying direct from the manufacturer. We are able to provide shorter lead times ultimately saving construction time and money!

## WITHSTAND F4 TORNADO'S

Here is a solution to protect from devastating weather. A concrete insulated building can be engineered to withstand F4 tornados. Hardened buildings such as Safe Rooms, Museums, and Data Centers are using LiteDeck Tilt to provide Safety and Energy Efficiency.



# Forming Options

LiteDeck Tilt provides a wide array of forming options. Standardized and Custom forms are available JIT (Just In Time). Continuous insulation can be engineered with custom thickness to meet extremely efficient building design. Hardened structures reap the benefits of Sandwich Panels and Un-Insulated structures benefit by using our reusable form option.



## Sandwich Panels

Less Concrete, more Insulation Pre-finish Both Sides Custom Engineered.



## Insulated Panels

Minimum R-27 Insulating Value Interior Attachment Rails Custom Engineered.



## Un-Insulated Panels

Re-use EPS Forms Stack Casting Saves Time Custom Engineered.



## Smaller Cranes lift Larger Panels

Handle custom lengths 50 ft. or more, and custom widths of 40 ft. or more.



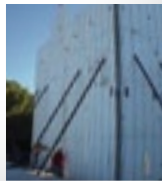
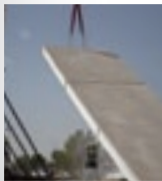
## Stack Casting Saves Space

Reduce crane time and accelerate curing.



## Thinner Walls, Less Weight

Typical panels weigh 55-75 lbs. per sq. ft.



## Site Cast Roof Panels

Super Insulated and durable roof panels are engineered to withstand an F4 tornado.

## Cures Faster, Less Downtime

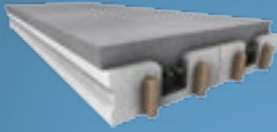
Insulating forms can reduce curing time approx. 30%.

### Galaxy Theater

Roswell, New Mexico

- 42,000 sq. ft. Imax Theater
- Superior EPS sound retention
- Pre-Engineered Floor and Roof
- 15,000lb. average panel weight

PROJECT SPOTLIGHT



Architects and builders have projects that look for a wood rib for attachment. Local lumber supply can provide yet another cost saving benefit to wall projects with LiteDeck WRS (Wood Rib System).

## General Specifications

6-inch Base Section – EPS Insulation with continuous interlocking edges and load-bearing beam cavity every 24-inches
Top Hat Sections – 18" X 48" X 2", 4" or 6" depths. EPS Insulation with self-aligning edges
Steel Stiffeners – Continuous 18-gauge steel channel every 12-inches
Maximum Ceiling Load (Channel Withdrawal) – RAD-3862 Test – Safe fastening load is 128 lbs. per lineal foot or 64 lbs. per square foot.
Fire Resistance Rating – ASTM E 119-00 Test – 1.5 hour rating with 250 lb. per square foot load.
Fire Performance Evaluation (w/1/2 inch Drywall) – UBC 26-3 Test – Passed acceptance criteria.
Fire Performance Evaluation (w/out 1/2 inch Drywall) – UBC 26-3 Test – Passed acceptance criteria.
STC (Sound Transmission Class) – STC 57 by Field Test – 14" concrete joist including 3" concrete cover.
IIC (Impact Isolation Class) – <i>IIC 44 by Field Test – 14" concrete joist including 3" concrete cover.</i> <i>IIC 82 by Field Test – 14" concrete joist including 3" concrete cover and 1/2" Carpet w/Pad.</i>
R-Value – C177 or C518 Test – Overall R-26.4 for 6" Base Section. R-4.40 per inch of Insulation.



Contact us with your plans and let us help you **design the best solution.**

**LiteForm**  
THE BEST WAY TO BUILD!

1950 West 29th Street | South Sioux City, NE 68776 | TF: **1.800.551.3313** | P: **402.241.4402** | F: **402.241.4435**

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