LiteForm TILT

THE BEST WAY TO BUILD!

2016 PRODUCT BROCHURE

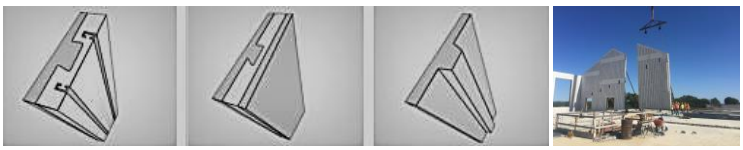
Insulated Forms for Tilt-Up Construction

Lower Construction Costs / Exceed Energy and Strength Requirements

LITEFORM.COM

WHAT IS TILT UP AND HOW DOES IT WORK

The LiteForm TILT® system is an insulated concrete form for tilt-up construction. This system consists of expanded polystyrene panels. Optional 18-guage steel attachment rails are available for one-sided concrete tilt walls. These patented concrete form panels provide a lighter, faster, more energy efficient casting bed for all kinds of site-cast, tilt-up concrete walls. Perfect for use in dairy, swine, poultry and other agricultural buildings as well as retail, warehouse, churches, theaters or any other building type. Insulated panels can be incorporated as part of an energy efficient finished wall with a nominal R-30 insulating value. Or, the panels can be modified to be used several times to cast conventional, non-insulated concrete walls.



Insulated Panels
Less concrete, more Insulation Pre-finish Both Sides Custom Engineered.

Sandwich 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

THE BENEFITS OF USING LITEFORM TILT

- LiteForm Tilt panels are lighter weight and can be stack cast on site ultimately reducing crane size
- Concrete panels are quickly customized to incorporate custom block outs and openings
- Standard LiteForm Tilt form panels are either 2 or 4 foot wide. Custom designs are available for virtually any width of wall section
- LiteForm Tilt form panels are provided in custom sizes or the panels can be field cut as needed
- Structural ribs are every 24, 36 or 48 inches on center dependent on engineering design
- Rib depths can be customized as needed per engineering design

Stack Casting
Saves Space,
Reduces Crane
Time and
Accelerates Curing

Cures Faster, Less Downtime
Insulating Forms Can
Reduce Curing Time
Approximately 30%

Thinner Walls, Less Weight
Typical Panels
Weigh 55-75 lbs.
Per Square Foot

Insulation That Bonds to Concrete
Special Form Designed
for Aggressive bonding
to Concrete Mixes

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-guage 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/out1/2 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)-

IIC 44 by Field Test-14” concreted joist including 3” concrete cover

IIC 82 by Field Test-14” concrete joist including 3” concrete cover and ½” Carpet w/Pad

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**

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