

# FOLD-FORM<sup>®</sup> INSULATED CONCRETE FORMS AND WEATHERPROTECTR<sup>®</sup> SYSTEM



INNOVATIONS FOR LIVING<sup>™</sup>

## PROVIDE ENERGY EFFICIENCY, WEATHER RESISTANCE AND MOISTURE CONTROL TO CREATE MORE LIVABLE ENVIRONMENTS

*Fold-Form* Insulated Concrete Forms combine high-quality expanded polystyrene foam with solid concrete, providing excellent energy efficiency, noise control and resistance to natural disasters while offering an excellent alternative to traditional wood and concrete block construction.

## CONCRETE REASONS TO DEMAND FOLD-FORM<sup>®</sup> INSULATED CONCRETE FORMS AND WEATHERPROTECTR<sup>®</sup> SYSTEM

**Design Versatility:** Conventional house designs and blueprints do not have to change to build with *Fold-Form* Insulated Concrete Forms. All types of window and door schedules can be incorporated into the home's design. Most building codes allow for 4" concrete perimeter walls in one- and two-story residential buildings. *Fold-Form* has special-feature hardware that allows contractors to build all types of special angles and appointments.

**Adaptability:** The *Fold-Form* system can be used to create special wall shapes for a more customized look. It also adds year-round versatility by reducing the costs associated with concrete or masonry construction during cold weather and, because of its thermal barrier, the steps required for concrete building in extremely hot conditions.

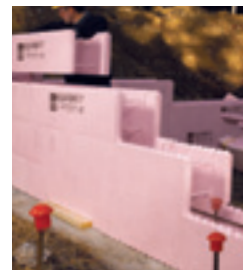
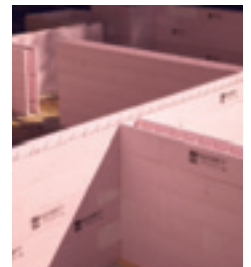
**Energy Efficiency:** Finished walls can attain an insulating value of R-20.\*

**Strength:** In university tests, *Fold-Form* solid concrete walls were proven to be the best protection against flying debris created by winds as high as 250 mph, when compared to conventional framed walls and hollow concrete block walls.

**Peace and Quiet:** Solid concrete is regularly used as an economical barrier to sound pollution. A structure's resistance to sound penetration is described as an STC (Sound Transmission Class) rating. Higher STC ratings mean better resistance to sound penetration and noise pollution. Industry tests show that *Fold-Form* ICF walls have an STC rating of 44–47. Typical framed structures have an STC rating of 36.\*\*

**Moisture Control:** Achieve optimal moisture control with the WeatherProtectR<sup>®</sup> System. Combined with Owens Corning *Fold-Form* Insulated Concrete Forms, the system provides a complete foundation seal. Its self-adhering properties allow for unmatched coverage, and it remains flexible even in cold weather conditions.

**Affordability:** For the builder, using the *Fold-Form* system means reduced labor at the job site. For you, the homeowner, it means smaller heating/cooling equipment and lower utility costs or insurance premiums. The result? Structures using *Fold-Form* Insulated Concrete Forms often cost less to construct and maintain than those built using conventional systems.



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\* Owens Corning tests and reports all insulating products at a mean temperature of 75 degrees to determine R-value. The FTC requires that any insulation products installed in homes follow this process. *Fold-Form* Insulated Concrete Form walls attain R-20 by calculation, with concrete and exterior finishes.

\*\* Vanderwerf, P.A., S.J. Feige, P. Chammass, L.A. Lemay, *Insulating Concrete Forms for Residential Design and Construction*, 1st edition, McGraw-Hill, New York, 1997. *Fold-Form*<sup>®</sup> is a registered trademark of Lite-Form International LLC.