



CONCRETE REASONS TO DEMAND FOLD-FORM® INSULATED CONCRETE FORMS AND WEATHERPROTECTR® SYSTEM

The Fold-Form® system is made up of preassembled, interlocking concrete form sections. It has a patented folding design to lower shipping costs when compared to rigid block systems. Each section is 4 sq. ft. in size (4' wide, 1' high), allowing the user to build insulated foundations and buildings with concrete walls from 4" to 16" thick and accommodate the worldwide codes for steel reinforcing. The system provides:

ENERGY EFFICIENCY. The insulating value of finished walls can attain R-20*, depending on concrete thickness.

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 pollution. Industry tests show that *Fold-Form* ICF walls have an STC rating of 44–52. Typical framed structures have an STC rating of 36.***

MOISTURE CONTROL. Achieve optimal moisture control with the WeatherProtectR® 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 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.

VERSATILITY. The *Fold-Form* system is a cost-effective technique for building warehouses, office and retail complexes, multistory industrial structures, and special-use buildings.

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.



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

** *Investigation of Wind Projectile Resistance of Insulating Concrete Form Homes*, Portland Cement Association, 1998.

*** Vanderwerf, P.A., S.J. Feige, P. Chammas, L.A. Lemay, *Insulating Concrete Forms for Residential Design and Construction*, 1st edition, McGraw-Hill, New York, 1997.



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