



## Richardsville Elementary, Kentucky

### ***Zero carbon construction a first with new school project***

Insulated concrete form manufacturer, NUDURA was selected for the building envelope at America's first Zero Carbon School. The 72,000 square foot building uses no more energy annually than is provided by on-site renewable sources.

To reduce energy costs to a Net Zero level, the new 500-student Richardsville Elementary School in Kentucky is constructed with NUDURA ICF construction with R-25 rated walls and an R-38 rated, super insulated roof.

The facility has become a teaching tool on sustainable technologies for the next generation and provides for a healthy, comfortable and safe learning environment in the community.

Post construction, the Richardsville school facility is being monitored and measured by actual data as proof of building performance.

Whilst the US is leading the way on Zero Carbon, NUDURA technology has been available in the UK for some eight years and ICFs are gathering solid momentum in terms of market share.

## PROJECT STATISTICS

**Location:**

Kentucky

**Size:**

72,000 sq ft

**ICF:**

6 in. and 8 in. thick insulated concrete form walls

**Energy savings - a comparison**

The average U.S. Elementary School's utility bill for one month is approx. \$7000. Richardsville generated enough solar energy (in 8 sunny days in the course of a month) that they covered over \$4300 in utility charges and received a credit of \$300 for selling the energy back to the electricity company.





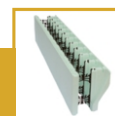
The switch from other methods of construction to NUDURA Innovation makes perfect sense because U-Values for the new ICF units are as low as 0.16, 0.13 and even 0.10, bringing increased efficiency to both commercial and residential construction.

NUDURA Technology has developed the largest Insulated Concrete Forms (ICF) available which make building measurably easier and faster. There is virtually no waste thanks to a 4 way reversible system less waste and a reduced amount of seams compared to other ICFs.

DURAFOLD Technology by NUDURA is a patented hinged web reduces assembly time, increases transport capacity by up to 40 percent and reduces storage space on site.

NUDURA is fully approved for the UK and carries an ETA (European Technical Approval) through the BBA.

NUDURA Insulated Concrete Forms (ICF) provide design professionals, architects, home owners and contractors with a more efficient way to build concrete homes and commercial ICF structures.





Building with NUDURA Integrated Building Technology allows concrete homes and commercial buildings to be built stronger, more energy efficient, more comfortable and environmentally friendly.

NUDURA also provides substantial green building benefits and is proud to contribute to the LEED (Leadership in Energy and Environmental Design) Program.

For further information contact Jean Marc Bouvier, Director of Sales and Business Development – International on 07766 118711 or visit [www.Nuduraicfs.co.uk](http://www.Nuduraicfs.co.uk)

