### **PROJECT PROFILE**



Energy Efficiency and conservation is top priority of the school district, resulting in numerous building systems and sustainable architecture concepts that were incorporated in the school:

- NUDURA® Insulated Concrete Form construction, which offers up to between 50 – 70% insulating Value.
- Alvaton Elementary is the first educational building using Insulated Concrete Form (NUDURA) system in the state of Kentucky.
- Sandwich panel metal roof System, which achieves an R-30 Insulation Value.
- Geothermal heat pump system..
- Lighting and HVAC occupancy sensors.

#### **AWARDS**

- "Best Heavy Commercial Project" Presented by ICF Builder Magazine
- Energy Star Award presented by the DOE for energy efficiency
- Council of Educational Facility Planners (CEFPI) named Alvaton "Best Elementary School" in the U.S.

For more information on NUDURA and other award winning projects visit Nudura.com

















For more information on NUDURA® and our products contact us at:

info@nudura.com

1-866-468-6299

#### www.nudura.com

















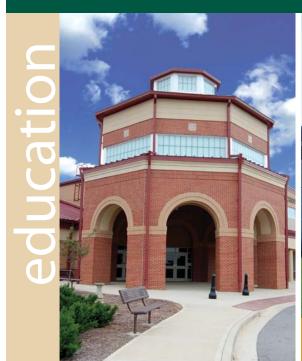
The performance claims referred to in this Brochure are based on a comparison between a typical 8'high NUDURA® wall with a 6" core, properly built to the National Building Code of Canada (NBC) and installed in accordance with NUDURA® Corporation's specifications and a typical 8'high 2"x 6" wood-framed wall insulated with R20 batt insulation, properly built to NBC and with regard to "fire resistance"on ratings listed in the NBC, with regard to "sound resistance"on ratings listed in the NBC, with regard to "sound yanderWerf, Feige, Chammas and Lemay, with regard to "durable" and "comfort" on an independent analysis and with regards to "energy efficiency" in the study "Energy Consumption of Concrete Homes Versus Wood Frame Homes" published by Dr. Pieter VanderWerf for the Portland Cement Association. Such performance claims may vary depending on certain atmospheric conditions and geographic locations.

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THE EDUCATED CHOICE™







# Benefits of Building with NUDURA

Better indoor air quality

A WARD ELEMENTARY

- •Faster building times
- •Storm resistant withstand winds of up to 250 mph
- •Durable, long-life materials
- Energy efficiency
- •Blocks out allergens and pollutants
- •Effective sound barrier creating a quiet learning environment
- •Reduces construction waste
- •Comprised of greater than 50% recycled material
- •Improves building efficiency

NUDURA is also proud to contribute to LEED - For more information on NUDURA's contribution to the LEED program **visit our green building section at Nudura.com.** 

## **NUDURA® Product Highlights**

**ENERGY EFFICIENT** Up to between 50 - 70% more efficient over traditional wall systems and materials used in most commercial building scenarios.

SPEED OF CONSTRUCTION The NUDURA® Wall System completes six building steps with one product

- 1 Form system 4 Air Barrier
- Wall Structure 5 Vapor Barrier
- (§) Insulation (§) Interior and exterior finish anchorage

NUDURA® Forms offer unique features that allow you to build faster compared to conventional building methods and other Insulated Concrete Forms on the market. With NUDURA's unique design, installers can install 12 sq. ft. in one building step. With NUDURA you will be able to speed up the building process by up tp 25% - 50%.

**COST EFFICIENCY** In most cases NUDURA is less expensive per square foot than most traditional building materials.

**LIMITLESS DESIGN CAPABILITIES** NUDURA offers limitless design capabilities to architects and engineers. NUDURA provides design professionals with all the material and support they need to design with the NUDURA system. The NUDURA Design Specification Manual provides a step by step building approach that allows the design professional to quickly and optimally adapt their building to work with the NUDURA system.

**MOLD RESISTANCE** Creating a safe and healthy environment with NUDURA is easily achieved - NUDURA does not support mold growth.







Emma B. Ward Elementary

