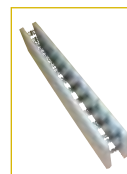
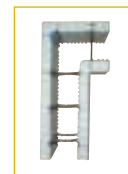




# Construction Professional

Energy Efficient. Environmentally Friendly. Superior Strength.



 **NUDURA**<sup>®</sup>  
INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

## THE INTEGRATED PHILOSOPHY

NUDURA Corporation prides itself on service and quality. With over 50 years of combined industry experience NUDURA brings you the present and future of ICF construction.



### NUDURA – AN INTEGRATED PHILOSOPHY

The concept for NUDURA was inspired by an interest in consolidating the best features of existing Insulated Concrete Form (ICF) products and then improving on them to produce the most technologically advanced ICF form. From NUDURA's inception, our philosophy has been one of integration.

### INTEGRATING SALES WITH SERVICE

With the most technologically advanced ICF form, comes service to match. NUDURA aligns itself with the best companies in local geographic areas to represent our products. With full technical support from NUDURA you can be sure you will have access to one of NUDURA's authorized distributors throughout the process of building with the NUDURA system.

### INTEGRATING VALUE

The flexible design capabilities of NUDURA® products allow for innovative building concepts while allowing for cost competitive construction. We are committed to providing you with a product that will enable you to offer your customers much more than just a wall. When you build with NUDURA you offer them a quality product that is energy efficient, stronger and in most cases less expensive per square foot than most traditional building materials.

**Quality. Support.**  
**Product Innovations. Relationships.**

## TECHNICAL SUPPORT

NUDURA distributors provide extensive support from the design concept through to the installation, and can help you with:

- Proven installation recommendations to maximize efficiency and cost savings.
- Code compliance advice for local, regional and national building codes.
- All NUDURA distributors have access to NUDURA's technical service support team that can provide further insight on specialty installations and code issues.







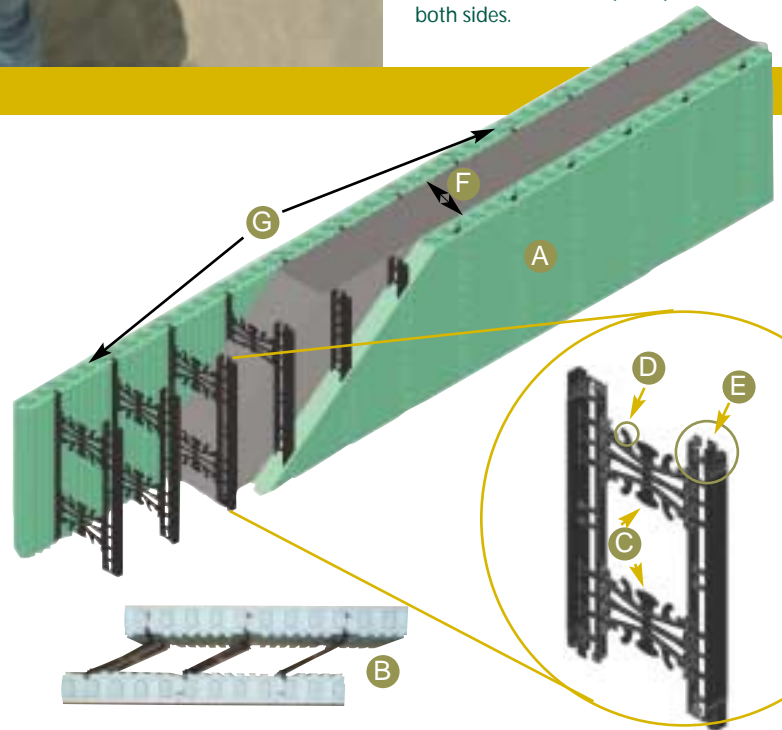
## BUILDING ON STRENGTH & INNOVATION

NUDURA gives you the opportunity to build structures that will offer your customers more. Whether you build with traditional methods or another ICF, NUDURA offers you more than one reason to switch from your current building method.

Form shown as cut-away illustration. Forms come with complete panels on both sides.

### NUDURA® FORMS OFFER

- A** Largest standard form on the market
- B** Hinged folding web
- C** Dual cross connecting ties within web design
- D** Reinforcing steel pre-positioning locks within web design
- E** Patented locking mechanism
- F** Variety of core sizes for all building types
- G** Continuous fastening strip for interior and exterior materials on 8" (203mm) centers



## THE BETTER WAY TO BUILD

Join builders around the globe that have switched from their conventional building method to NUDURA, for more than one reason.



### MAXIMUM ENERGY EFFICIENCY

NUDURA is a highly insulated steel reinforced, monolithic wall which vastly reduces air infiltration allowing for greater energy efficiency compared to traditional building methods. When you combine NUDURA's 2 5/8" (63.5mm) foam with the structural strength of reinforced concrete you can be sure you are building a structure that will be energy efficient and will reduce operating expenses for homeowners, building owners and operators.

### STRENGTH

Compared to traditional building methods like wood, concrete block, or steel framed walls, NUDURA provides greater durability and strength. NUDURA® walls can withstand mother nature's worst, especially in high wind areas that are prone to hurricane and tornadoes. NUDURA® walls can withstand winds of up to 250 mph (7.0 kPA). Building with NUDURA allows you to offer your customers greater fire protection. With NUDURA you can achieve up to a 3-4 hour fire protection rating.

### SOUND RESISTANCE

NUDURA double foam insulated concrete core acts as an effective sound barrier, dampening sound vibrations. NUDURA's variety of concrete core sizes provide superior STC ratings making our forms a viable building choice for homes, schools, apartment buildings, theatres and many other commercial construction projects.

### BUILD FASTER AND MORE EFFICIENTLY

#### LOCKING FASTENING STRIPS

NUDURA® locking fastening strips reduce labor by virtually eliminating the need to secure forms with tape or wire stopping float and compression, allowing you to build faster and more efficiently. NUDURA provides continuous fastening for finish materials inside and out.

#### LARGEST STANDARD FORM AVAILABLE IN THE ICF INDUSTRY

NUDURA® standard forms place 12 sq.ft (1.115 m) in one step, reducing the number of seams resulting in a sturdier, more dependable wall form. Our 8' X 18" (2440 X 457mm) forms reduce labor by increasing productivity. NUDURA also provides continuous fastening strips for interior and exterior materials. Finish materials are easily installed on 8" (203mm) centers.

#### INNOVATIVE HINGED FOLDING WEB

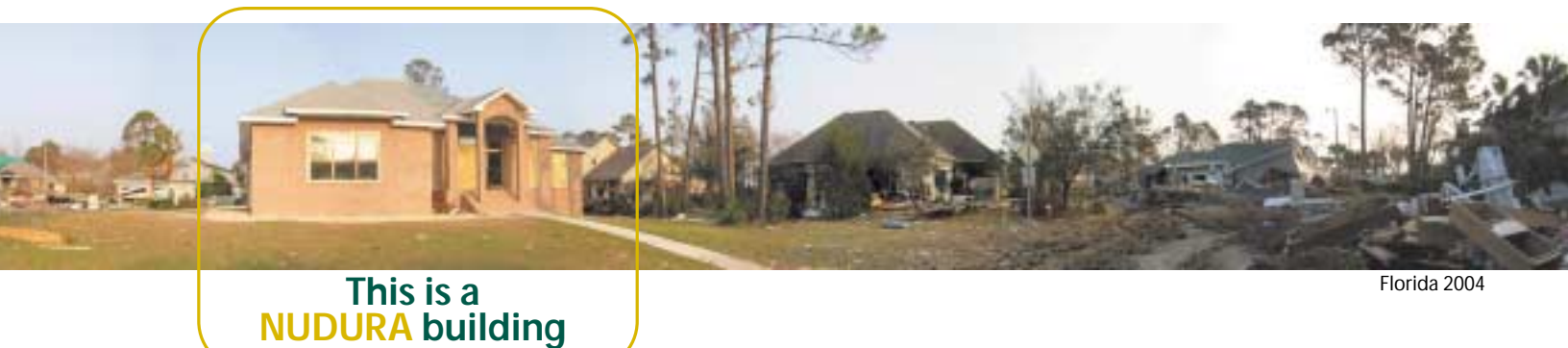
NUDURA® patented folding forms reduce shipping costs, allow for easy handling and highly efficient on-site storage. The folding form also eliminates costly assembly time on site, just unfold and stack.

#### STURDY 4-WAY REVERSIBLE INTERLOCK

NUDURA features a 4-way reversible interlock which enables the form to be interconnected with itself in a variety of ways that enable cut-off segments to be utilized in twice as many scenarios as a non-reversible form can. Building with NUDURA allows you to use more and waste less.

See how easy NUDURA forms are to install.

Contact us or your local distributor for a NUDURA Basic Installation Methods DVD.



This is a  
**NUDURA** building

Florida 2004



# building green starts with NUDURA

Not only are NUDURA structures, stronger, safer, more energy efficient and faster to build they contribute significantly to a "Greener" building envelope. At NUDURA we are committed to improving the building process by manufacturing products that have minimal impact on the environment. Building with NUDURA allows you to offer your customers a more environmentally-friendly structure.

## PRODUCT HIGHLIGHTS

- NUDURA is manufactured from recycled or recyclable material.
- NUDURA buildings produce little waste during construction, all waste is 100% recyclable. (Subject to local recycling programs.)
- NUDURA can contribute significantly towards achieving greater overall building energy efficiency.
- NUDURA® forms emit no CFC or HCFC's.
- NUDURA® forms are manufactured under strict guidelines using only processes that are non ozone-depleting.
- NUDURA gives you access to a NUDURA LEED® Accredited Professional on staff.



## THE SOLUTION TO A HEALTHIER WORKING AND LIVING ENVIRONMENT

NUDURA combines the use of polystyrene (EPS) foam with reinforced concrete. The synergy of these materials together forms a structure that is extremely energy efficient, air tight and moisture resistant. NUDURA's inner fluted insulation panels bond intimately with the concrete to eliminate air gaps, minimizing the potential formation of mold growth and draft paths. The end result is a comfortably enclosed space that enables building mechanical systems to heat, cool and ventilate the structure more efficiently, creating a healthier living and working environment. **These attributes make NUDURA the ideal building material for offices, schools, hospitals, apartments, senior's facilities, homes and more.**



**Eagle Rising ▲**  
**2006 "BEST" Custom Home**, 2006 "BEST" Overall Project"  
*presented by ICF Builder Magazine*

## WHAT ARCHITECTS ARE SAYING

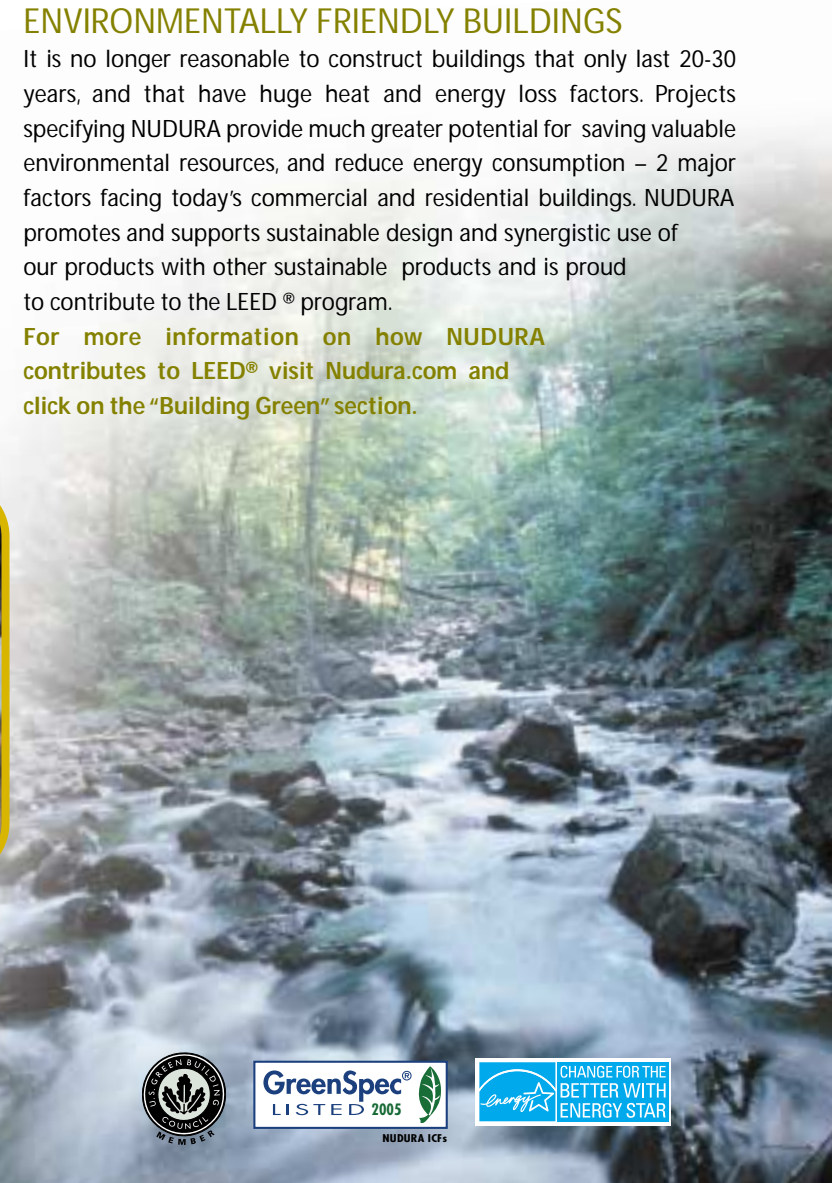
*"...as a green architect, I really appreciate the fact that NUDURA forms are designed to collapse for transport, effectively halving the fuel needed to deliver them..."*

James R. Plagmann, AIA  
Human Nature Architecture

## ENVIRONMENTALLY FRIENDLY BUILDINGS

It is no longer reasonable to construct buildings that only last 20-30 years, and that have huge heat and energy loss factors. Projects specifying NUDURA provide much greater potential for saving valuable environmental resources, and reduce energy consumption – 2 major factors facing today's commercial and residential buildings. NUDURA promotes and supports sustainable design and synergistic use of our products with other sustainable products and is proud to contribute to the LEED® program.

**For more information on how NUDURA contributes to LEED® visit [Nudura.com](http://Nudura.com) and click on the "Building Green" section.**



## SOLUTIONS FOR INDUSTRY PROFESSIONALS

The NUDURA Integrated Building Technology system has been chosen by architects, engineers, builders, developers and contractors all over the world as a viable building alternative to traditional methods



### NUDURA FOR DESIGNERS, ARCHITECTS AND ENGINEERS

NUDURA offers limitless design capabilities to designers, architects and engineers. We provide design professionals with all the material 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® Wall System. With this manual, designers, architects and engineers have full access to NUDURA details, downloadable from a user-friendly CD, and backed by full technical support. NUDURA has a LEED® Accredited Professional on staff to help you with any questions regarding NUDURA and our contribution to LEED®. **NUDURA offers a 1 hour approved AIA Continuing Education session. For more information contact us or visit [Nudura.com](http://Nudura.com).**

### SIX WALL ELEMENTS IN ONE PRODUCT

The NUDURA® Wall System completes 6 building steps with one product:

- |                  |  |
|------------------|--|
| 1 Form system    | 4 Air barrier                            |
| 2 Wall structure | 5 Vapor barrier                          |
| 3 Insulation     | 6 Interior and exterior finish anchorage |

Having six wall elements in one product eliminates costly building steps and allows your structure to be constructed faster and more efficiently.

Building with NUDURA allows you to build faster and offer your customers a building that is safer, more energy efficient and that is friendly to our environment.



### NUDURA FOR BUILDERS AND DEVELOPERS

Installing the NUDURA system significantly reduces labor and transportation costs on typical installations. NUDURA® forms are easily handled, stored, and installed. With NUDURA's 6-in-1 one building step, we help cut substantial time from the construction schedule by allowing structures to be built up to 25% - 50% faster and lower capital outlay by reducing mechanical requirements by up to 75%. Plus, heavy equipment is not required to move forms around the job site which can result in less on-site injuries due to lifting.

### NUDURA FOR CONTRACTORS

Installation of NUDURA forms and accessories are fast and easy. Forms are light and easy to maneuver and can be stored easily taking up minimal space on site. NUDURA® patented hinged folding webs eliminate costly on-site assembly and our interlocking strip and clip accessories makes installations fast by eliminating the need to secure forms with tape or wire. Forms can be easily cut on site with any manual saw saving unnecessary on-site movement. NUDURA helps you keep labor costs to a minimum.







## NUDURA— EXCEEDING YOUR EXPECTATIONS

At NUDURA we work hard to ensure you have the training, technology, quality and the proper code approvals and testing to build better structures.

### INNOVATIVE TECHNOLOGY

NUDURA is committed to leading the industry in product innovation. NUDURA's research and development group are dedicated to providing products that make the building construction process faster and easier, resulting in buildings that are stronger, more durable and more energy efficient. NUDURA prides itself on having the largest standard form on the market, and to have patented the industry's only Locking Hinged Folding Web and T Form. With a full range of forms and accessories, NUDURA has the products to suit your needs and the service to match.



### QUALITY PRODUCTS

NUDURA is in partnership with one of North America's leading Expanded Polystyrene (EPS) Manufacturers. Unlike other ICFs, NUDURA forms are manufactured in-house without using sub-manufacturing. NUDURA has full control over the manufacturing process which allows our forms to be manufactured to the highest standards. NUDURA is audited quarterly by Warnock/Hersey which conducts regular plant inspections to ensure all aspects of NUDURA® products are consistent. Our forms undergo rigorous testing everyday making sure the quality is the same for every NUDURA product, resulting in the most reliable ICF form available.

### CODE APPROVALS & TESTING

All NUDURA distributors provide the information needed to make sure your project is built with proven installation methods and provide necessary information about local and state building codes. In various tests NUDURA® walls have met and most often exceed statutory building codes around the globe. NUDURA is tested to the highest standards providing the safest, most comfortable living or working environments and actively maintains a wide variety of code approvals for North America and Europe.

### TRAINING

If you are thinking of building with NUDURA we encourage you to take one of our training courses and see how efficient building with NUDURA really is. NUDURA is committed to providing the highest level of training, ensuring you get the knowledge you need to get the job done with efficiency and confidence. NUDURA has thousands of trained installers throughout the world who have switched to NUDURA from traditional building methods including other ICF products.

Visit [Nudura.com](http://Nudura.com) for a training course in your area.



## NUDURA OFFERS FORMS FOR ANY BUILDING TYPE



### **Alvaton Elementary School**, Bowling Green, Kentucky, USA

Project Description: Two storey elementary school

Size: 77,000 sq. ft.

Exterior Finish: Brick and Stucco

- Exterior load bearing walls built with 8" and 12" forms.



### **The Ridge Cinema**, Pace, Florida, USA

Project Description: 8 Theatre Cinema

Size: 40,000 sq. ft.

Exterior Finish: Stucco

- Exterior load bearing walls built with 8" forms above and below grade
- Tall wall height is 34 1/2'.



### **Industrial Building**, Cambridge, Ontario, Canada

Project Description: Office/Industrial, multi-use building

Size: 24,000 sq. ft.

- 24,000 feet of exterior 28' high wall area with stucco finish.
- Exterior load bearing walls built with 8' forms above grade and 10' forms below grade.
- Floors made of precast concrete slabs tied into the high wall structure
- Project completed 25% faster than standard reinforced concrete equivalent.



### **First Citizens National Bank**, Wellsville, New York, USA

Project Description: Single storey bank with drive through

Size: 4,000 sq. ft.

Exterior Finish: Brick

- 12' high walls on top of frost walls.
- Exterior load-bearing walls built with 6" cavity NUDURA.
- The heating and cooling costs reflected enough savings that both the builder and the bank owner are now building future banks and residential developments with NUDURA.



### **Residential Condominium**, Huntsville, Ontario, Canada

Project Description: 5 storey condominium with 36 units

Unit Sizes: 1728-2083 sq. ft.

Exterior Finish: Stone & Stucco

- Constructed with 8" forms below grade and 6" forms above grade.



## NUDURA OFFERS FORMS FOR ANY BUILDING TYPE



### **Johnson City Eye Clinic, Johnson City, Tennessee, USA**

Project Description: Two storey medical facility

Size: 40,000 sq. ft.

Exterior Finish: Brick

- Exterior load bearing walls built with 8" forms below grade and 6" forms above grade.
- 9' ceilings in basement and 15' main floor ceilings .



### **St. Thomas University, Fredericton, New Brunswick, Canada**

Project Description: 3 storey student residence

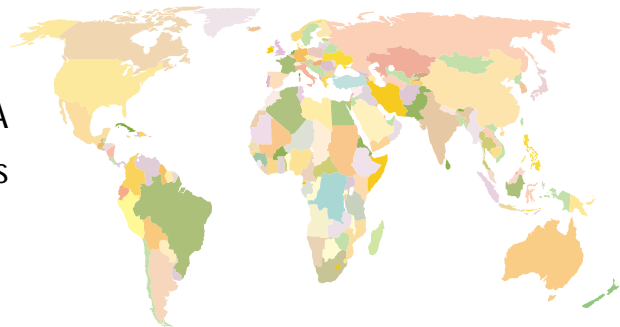
Size: 39,000 sq. ft.

Exterior Finish: Brick

- Exterior load bearing walls built with 8" NUDURA forms.
- Hollow core concrete floor slabs

## BUILDING BETTER AROUND THE WORLD

No matter where you are, or what you are building, NUDURA works for you. For more information on NUDURA projects visit [Nudura.com](http://Nudura.com).



**Personal Residence**



**Future's Inn - Hotel**



**Multi Residential**



**Financial Institution**



**2 Storey Office**



**Personal Residence**

# PRODUCTS

## STANDARD FORM UNIT



The Standard is our most-used form unit. It measures 8 ft long and provides an incredible 12 sq. ft. of wall area. NUDURA® Standards easily unfold for use, are fully reversible and are available with 4"/6"/8"/10"/12" cores.

## RADIUS FORM UNITS



Make the homeowner and architect dreams come true! NUDURA® makes curves and radius walls easy by providing factory-cut forms designed to your specifications. NUDURA®'s radius form units eliminate wasteful and time-consuming in-field work.

## 90 DEGREE CORNER



To reduce shipping costs, we offer a unique 90 degree corner form that folds. Our corner forms are reversible so there is no need to keep track of left and right corners. Also, our corner forms have convenient, continuous fastening strips at the corners. Available with 4"/6"/8"/10"/12" cores.

## BRICK LEDGE FORM UNIT



When building with NUDURA® to the roof, our Brick Ledge Form Units are used to support a brick veneer. Available with 4"/6"/8"/10"/12" cores.

## 45 DEGREE CORNER



Our 45 Degree Corners also fold to provide shipping efficiencies and are fully reversible. Available with 4"/6"/8"/10"/12" cores.

## BRICK LEDGE EXTENSION



NUDURA offers the brick ledge extension to provide greater flexibility when establishing brick ledge locations.

## TAPERED TOP (ONE SIDE)



We offer Tapered Top forms to allow for conventional above-grade framing with a brick veneer, while offering maximum insulation performance at grade level. Available with 4"/6"/8"/10"/12" cores.

## END CAPS



NUDURA® End Caps slide quickly into place to serve as insulated bucks or bulkheads. End Caps are manufactured with a convenient center fastening strip. Available for 4"/6"/8"/10"/12" cores.



# PRODUCTS

## HEIGHT ADJUSTERS



NUDURA® Height Adjusters are used to provide an extra 3" in wall height. NUDURA® Height Adjusters are reversible and can be cut in half and used to achieve 1 1/2" increments. Height Adjusters come with fastening strips to provide important additional form support as well as providing a continuous fastening strip.

## T FORM UNITS



Builders demanded it, and NUDURA® answered! NUDURA® T Form Units come in a Long "T" and a Short "T" version to provide proper joint overlap. The forms are available in every combination of 5 standard core thicknesses for both the Main and T wall cavities.



## NUDURA® ALIGNMENT SYSTEMS

NUDURA® Alignment Systems are specifically designed for use with NUDURA® Integrated Building Technology. The system bracing aligns the wall prior to concrete

placement, provides a working surface during concrete placement, and is used to plumb the wall after concrete placement.

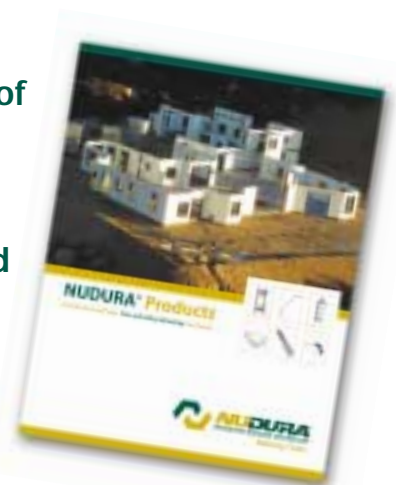


## UNASSEMBLED PANELS & WEBS



In order to provide as much versatility and flexibility as today's building industry demands, NUDURA® standard, tapered top and brickledge panels are available in unassembled packages. These panels are designed for NUDURA®'s slide-in webs which are available in all 5 standard core thicknesses.

For the full line of NUDURA® products and accessories visit [Nudura.com](http://Nudura.com) and download our product catalog.



# Building Has Evolved™

Energy Efficient. Environmentally Friendly. Superior Strength. Maximum Comfort.

All NUDURA® Products are backed by over 50 years of building experience, and tested to the highest standards

NUDURA has met and most often exceeded building codes around the globe, Canada CCMC 13063-R – Europe ETA-07/0034 – U.S.A – ICC-ES ESR 2092. For a full listing of NUDURA® approvals visit [Nudura.com](http://Nudura.com) or contact your local distributor.

- Thermal resistance in accordance with ASHRAE Fundamentals Handbook 2001.
- Fastener Pullout Evaluation report by Bodycote Material Testing Canada Inc.
- Standard test methods for Mechanical Fasteners in Polypropylene Web Material in accordance with ASTM D1761-88
- Fastener holding and shear strength evaluation of NUDURA® Wall Technology utilizing Gypsum Board, report by Bodycote material testing Canada Inc.
- 3 and 4 hour fire resistance ratings – tested to ASTM E-119 and CAN/ULCS101M
- Sound transmission Class Tested to ASTM 336 – Sound Transmission vary from 42 ->55 depending on form used. (Based on forms 6" and above)



LISTED  
INSULATED CONCRETE FORMS  
27WV



Support responsible management  
of the world's forests.

NUDURA is committed to protecting the environment. That's why we print on FSC certified paper. For more information on The Forest Stewardship Council visit [www.fsc.org](http://www.fsc.org).

[www.nudura.com](http://www.nudura.com)



866-468-6299

Contact us for the distributor nearest you

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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 and in the study "Insulating Concrete Forms" by VanderWerf, 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.