Building Has Evolved®

Integrated Series
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NUDURA® leads the industry in product innovation and is unmatched by any other Insulated Concrete Form; this innovation continues with the Integrated Series. NUDURA is strongly committed to improving the building process to support environmental issues, reduce energy consumption, and to save our valuable environmental resources for future generations.

building value into your home.

The Integrated Series from NUDURA combines building envelope products working in conjunction with the NUDURA line of Insulated Concrete Forms to provide maximum energy efficiency.

The Integrated Series offers:
- RetroFit Insulation Technology, a 4’ x 8’ (1.22m x 2.44m) sheet which installs inside and out
- Floor and Ceiling Technology, an insulation for floors and ceilings
- HYDROFOAM®, a radiant heat insulation base
- NOVOFOIL®, vapour-barrier insulated board
- AIRCLAD®, air-barrier insulated board

Each Integrated Series product has been manufactured to install quickly and efficiently and replaces many traditional forms of insulation, with NUDURA, Building Has Evolved®.

Benefits of using the Integrated Series:
- Energy Efficiency
- Greater Home Comfort & Sound Resistance
- Long-term Value
- Eco-friendly
- Manufactured from Recycled Materials
- Mold Resistant
- Quality Assurance

For technical information and to watch videos on any of the Integrated Series visit www.nudura.com/integrated-series.
NUDURA RetroFit Insulation Technology is an easy-to-use insulation solution for finishing basements or insulating interior or exterior block walls. Installation is fast and effortless, compared to conventional multi-step finishing methods. The NUDURA RetroFit Insulation Technology insulates and creates fastening points in one simple step.

Simply attach NUDURA’s standard 4’ x 8’ (1.22m x 2.44m) sheets to the wall using the embedded fastening strip and a concrete screw. NUDURA RetroFit Insulation Technology panels fit seamlessly together with a shiplap system. Electrical installation is easily completed, and drywall, plasterboard or Gypsum Board is attached using the 2 ½” (64mm) fastening strip located on 16” (400mm) centers.

When installed, NUDURA RetroFit Insulation Technology provides insulation performance ratings up to R-14.8 / RSI 2.61 / U-0.38 resulting in greater energy efficiency and comfort to any home or commercial structure.

Product Highlights:
- Moisture resistant
- No VOC’s, CFC’s or HCFC’s
- Available in 4’ x 8’ (1.22m x 2.44m) sheets and thicknesses of 2 5/8” (67mm), 3 ½” (89mm), 3 7/8” (98mm)
- Performance ratings up to R-14.8 / RSI 2.61 / U-0.38
- Available with wood or polystyrene fastening strips
- Made of EPS (Expanded Polystyrene) making it lightweight and easy to cut
- Simple to install with embedded 2 ½” (64mm) fastening strip located on 16” (400mm) centers
- Panels easily fit together with a shiplap system to eliminate thermal bridging
- Insulation for basement walls or interior, exterior block walls

Watch our RetroFit Insulation Video at www.nudura.com/videos.
Ceiling Technology

NUDURA Ceiling Technology is a quick and economical high performance insulation solution for insulating ceilings in homes. Recent changes to building codes throughout the world over the past two years are now demanding increases in building envelope insulation values, as well as improvements in overall building air tightness. With NUDURA Ceiling Technology, these can be achieved.

**Product Highlights:**
- Reduces air infiltration efficiently
- Water and humidity resistant
- Used in a double layer; it further reduces thermal bridging, increasing energy efficiency and comfort
- Minimizes effects of truss uplift
- Available in 2 5/8” (67mm), 3 ½” (89mm) and 3 7/8” (98mm)
- Available with wood or polystyrene fastening strips
- Superior performance & user friendly
- Eco-friendly Expanded Polystyrene (EPS) - does not contain CFC’s or HCFC’s
- 100% recyclable

Floor Technology

The floor of a building is often the most ignored surface when it comes to insulation. With changing energy codes, under slab insulation is becoming mandatory for code compliance in some regions. Complete the building envelope and insulate with NUDURA Floor Technology for increased comfort and energy efficiency.

**Product Highlights:**
- A cost effective layer of protection against heat transfer to the ground
- Available in 1 ¼” (32mm), 1 7/8” (48mm) and 2 ½” (64mm)
- Water and humidity resistant
- Eco-friendly Expanded Polystyrene (EPS) - does not contain CFC’s or HCFC’s
- 100% recyclable
HYDROFOAM® is the ideal radiant floor insulation product for residential and commercial construction projects. The floor of a residential or commercial building is often the most ignored surface when it comes to insulation. The floor, when insulated with HYDROFOAM®, completes the building envelope and increases comfort and energy efficiency. HYDROFOAM® maximizes radiant floor heating by ensuring the heat is dispersed evenly throughout the entire floor area, providing building occupants with a comfortable living and working environment. HYDROFOAM® is one of the most cost effective options available, meeting the demands of North America’s latest energy code requirements for heated slabs.

Installation is fast and easy compared to traditional foam insulation which requires multiple steps to run radiant heat piping. The 4’ x 4’ (1.22m x 1.22m) sheets are available in two thickness and are easily installed with an overlapping interlock on all four sides, ensuring the sheets are locked in place during installation.

HYDROFOAM® utilizes a 360° multi-directional friction fit anchor system in to which radiant heat piping is easily stepped into place in any direction required. HYDROFOAM® offers installers a lightweight high density expanded polystyrene (EPS) product that increases installation speeds and is easily cut to meet any angle or radius while providing up to R-16 (RSI 2.82 & U-0.35) of insulation value.

**Product Highlights:**

- Insulation under the concrete slab, effective base for radiant floor heating
- Superior performance values
- 4’ x 4’ (1.22m x 1.22m) molded boards
- Available thicknesses:
  - 2 ½” (64mm) - R10 (RSI 1.76 & U-Value 0.56) and 4” (100mm) - R16 (RSI 2.82 & U-0.35)
- Multi-directional anchoring for ½” (13mm) pipes
- Compatible with ½” (13mm) diameter and 5/8” (16mm) diameter radiant tubing
- Radiant tube spacing is based on 3” (76mm) increments
- Shiplap/interlocking on all 4 sides
- Lightweight and easy to handle
- Increased comfort & energy saving
- Eco-friendly Expanded Polystyrene (EPS) - does not contain CFC’s or HCFC’s
- 100% recyclable
- Resistant to water and moisture
- Can contribute to points under LEED® NC programs

Watch our HYDROFOAM® Video at [www.nudura.com/videos](http://www.nudura.com/videos)
NOVOFOIL® is a non-toxic reflective vapor-barrier insulation board offering builders a lightweight and easy to handle product which provides faster installation.

For homeowners, it offers a higher thermal resistance, better sealing and overall comfort. At the core of this innovative line is a laminated vapor-barrier membrane which allows for a stable and uniform indoor temperature year round.

For builders, NOVOFOIL® is ideal for interior walls, ceilings and interior foundations walls and provides better installation with a ½” (13mm) shiplap on the board. This innovative board features energy savings through the elimination of thermal bridging and permanent insulation value. The end result is increased comfort.

**Product Highlights:**

- Higher thermal resistance when installed with wood strips
- Efficient Installation: laminated vapor-barrier membrane on the board with benchmarks at 8” (203mm) intervals (two installation steps in one)
- Better Sealing: shiplapped ½” (13mm) on both sides
- Lightweight and easy to handle
- Quick Installation: covers a surface area of 32ft² (3m²)
- Test results exceeding ULC standards
- Increased Comfort: allows for a stable and uniform indoor temperature year round
- Permanent insulation value
- Energy savings through the elimination of thermal bridges
- Less labor required during installation
- Contains recycled material
- Contains no CFC’s or HCFC’s
- Resistant to water and moisture that may be the primary cause of mildew formation
- Non-toxic, contains 98% air and 2% materials
- Can be handled without health hazards and is non-irritating to skin
- Can contribute to earning points in a part of a LEED® project

The 3” (76mm) thick NOVOFOIL® board meets the new requirements of section 11 on Energy Efficiency of the Quebec Construction Code chapter for foundation wall interior insulation and satisfies most of the new requirements set for Eastern Canadian Provinces. Check with your local Construction Building Code.
AIRCLAD®

Air-Barrier Insulated Board

AIRCLAD® is a non-toxic air-barrier insulation board offering builders a lightweight and easy to handle product which provides faster installation.

For home owners, it offers energy efficiency and overall comfort. At the core of this innovative line is a laminated air-barrier membrane which allows for a stable and uniform indoor temperature year round.

For builders, AIRCLAD® is ideal for exterior walls and provides quick installation with 36 ft² (3.3m²) surface coverage area. This innovative board features energy savings through high-density expanded polystyrene board. The end result is increased comfort.

Product Highlights:

- Efficient Installation: laminated air-barrier membrane on the board with benchmarks at 8” (203mm) intervals (two installation steps in one)
- More flexible and solid by combining lamination with a high-density expanded polystyrene board
- Increased Comfort: allows for a stable and uniform temperature year round
- Quick Installation: covers a surface area of 32ft² or 36ft² (3m² or 3.3m²)
- Light weight and easy to handle
- Test results exceeding ULC standards
- Energy savings through the elimination of thermal bridges
- Less labor required during installation
- Contains recycled materials
- Contains no CFC’s or HCFC’s
- Resistant to water and moisture that may be the primary cause of mildew formation
- Non-toxic, contains 98% air and 2% material
- Can be handled without health hazards and is non-irritating to skin
- Can contribute to earning points in a part of a LEED® project

AIRCLAD® board meets the new requirements of section 11 on Energy Efficiency of the Quebec Construction Code chapter for insulation of exterior walls and satisfies most of the new requirements set for Eastern Canadian provinces. Check with your local Construction Building Code.
Over 50 years of building experience.

By using the NUDURA Integrated Series for your next project you can ensure you are choosing the best building solution available today.

Scan to for more information on the Integrated Series.

The information contained in this NUDURA® Brochure is presented only for the purpose of providing information on the various products forming part of the NUDURA Insulated Concrete Wall Forming System. This NUDURA Product Guide SHALL NOT be used as a substitute for professional engineering consultation. NUDURA makes no general warranties to the specific applicability of any of the products to any or all situations for which a designer may elect their specific use. Final amendment or modification to suit the exact circumstance of employment of any such products is the responsibility of the project designer. NUDURA has no control over the installation or workmanship used in the assembly or installation of the NUDURA products. Therefore, NUDURA cannot be held liable for any general, special, direct, indirect or consequential damages, including bodily harm, that may be suffered by any person including, without limitation, the installer, contractor, architect, engineer, homeowner or building owner due to the use, assembly or installation of the NUDURA products. The NUDURA products described herein are sold subject to the NUDURA Limited Warranty. NUDURA®, N Design®, Integrated Building Technology®, Building Has Evolved®, DURALOK Technology®, DURAFOLD Technology®, DURAMAX Technology® and DURA MULTI-LINK® are registered trademarks of NUDURA Inc. in Canada, the United States and other countries.

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