



integrated series

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.



RetroFit
NUDURA Insulation Technology



HydroFoam
NUDURA Insulation Technology



Ceiling & Floor
Technology

building value into your home.

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

The Integrated Series offers:

- RetroFit Insulation Technology, a 4' x 8' (1.2m x 2.4m) sheet which installs inside and out
- Floor and Ceiling Technology, an insulation for floors and ceilings
- HYDROFOAM[®], a radiant heat insulation base

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
- Thermal Mass
- 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.

RetroFit

NUDURA Insulation Technology



Easy Installation. Superior Performance.



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' (1.2 m x 2.4 m) 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 or Gypsum Board is attached using the 2 1/2" (64 mm) fastening strip located on 16" (400 mm) centers.

When installed, NUDURA RetroFit Insulation Technology provides insulation performance ratings up to R-14.8 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' (1.2 m x 2.4 m) sheets and thicknesses of 2 5/8" (67 mm), 3 1/2" (89 mm), 3 5/8" (98 mm)
- Performance ratings up to R-14.8 (RSI 2.61 & U-Value 0.384 w/m²•k)
- 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 1/2" (64 mm) fastening strip located on 16" (400 mm) 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

HydroFoam®

360



The easy insulation for radiant heat.

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' (1.2m x 1.2m) 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 which eliminates the need for wire mesh. 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 of insulation value.

Product Highlights:

- Insulation under the concrete slab
- Residential, commercial, industrial and institutional construction
- Superior performance values
- 4' x 4' (1.2m x 1.2m) molded boards
- Available thicknesses:
2½" (64mm) - R10 (RSI 1.76) and 4" (100mm) - R16 (RSI 2.47)
- Multi-directional anchoring for ½" (13mm) pipes
- Shiplap/interlocking on all 4 sides
- Fast and efficient installation
- 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

Ceiling & Floor Technology



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 1/2" (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
- An effective base for radiant floor heating
- 100% recyclable
- Eco-friendly Expanded Polystyrene (EPS) - does not contain CFC's or HCFC's



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series

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.



The information contained in this NUDURA Product Guide is presented only for the purpose of providing information on the various products forming part of the NUDURA[®] Insulated Concrete Wall Forming System ("NUDURA"). 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 any such products is the responsibility of the project designer. NUDURA[®] has no control over the installation or workmanship used in the assembly or the installation of NUDURA[®]. Therefore, NUDURA[®] shall not be 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 customer due to the use, assembly or installation of NUDURA[®]. The NUDURA Products described herein are sold subject to the NUDURA Corporation Limited Warranty.