

## integrated<sup>®</sup> series

### DESCRIPTION

Reflective vapour-barrier insulation board

- 4' x 8' (1.2 m x 2.4 m) or 4' x 8' 4" (1.2 m x 2.4 m 2.6 m)
- Laminated vapour-barrier membrane on one side
- Benchmarks at 8" (203 mm) intervals printed on the membrane
- ½" (13 mm) shiplapped on 2 sides (for thicknesses of 1" (25 mm) or more)

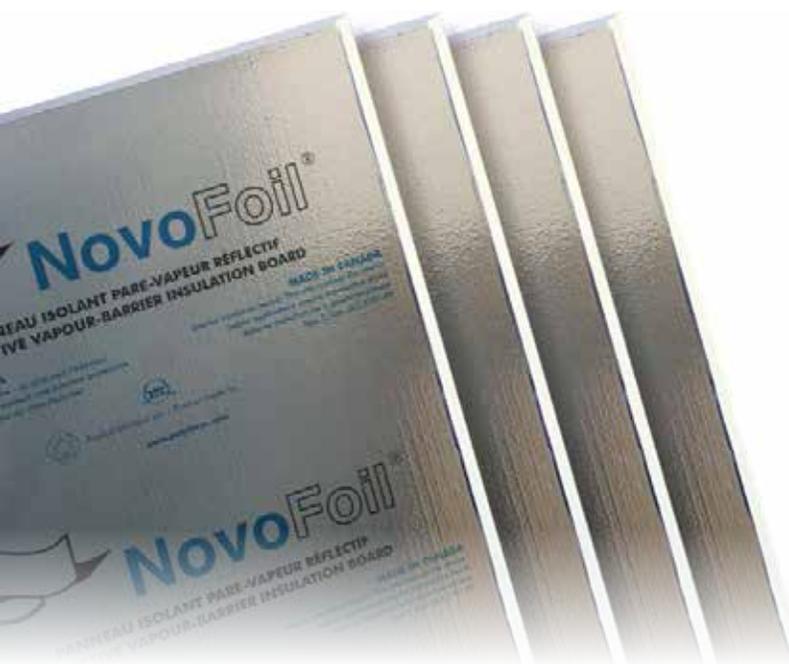
### PRODUCT FEATURES

#### APPLICATIONS

Residential, Commercial, Industrial and Institutional Construction

- Insulation for interior walls
- Insulation for ceiling
- Insulation for interior foundation walls

**FOR INTERNAL USE ONLY**



#### ADVANTAGES

##### SUPERIOR PERFORMANCE

- Higher thermal resistance when installed with wood strips
- Efficient installation: laminated vapour-barrier membrane on the board with benchmarks at 8" (203 mm) intervals (two installation steps in one)
- Better sealing: shiplapped ½" (13 mm) on both sides
- Lightweight and easy to handle
- Quick Installation: covers a surface area of 32ft<sup>2</sup> (3 m<sup>2</sup>)
- Test results exceeding ULC standards
- Increased comfort: allows for a stable and uniform indoor temperature year round

##### ECONOMICAL

- Permanent insulation value
- Best quality for the price
- Energy savings through the elimination of thermal bridges
- Less labour required during installation

##### ECOLOGICAL

- Contains recycled material
- Contains no CFCs or HCFCs
- 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<sup>®</sup> project

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## TECHNICAL DATA SHEET

integrated  
series

EPS Physical Properties	ASTM Test Method	ULC S701 Type I Requirements	Results
Thermal Resistance 1" (25 mm) thick hr-°f-ft <sup>2</sup> / BTU (m <sup>2</sup> -k/w)	C-518	Min : 3.7 Min : (0.68)	3.87 (0.68)
Water vapour permeability ng/Pa-s-m <sup>2</sup>	E-96	Max : 5.3 Max : (300)	3.67 (208)
Dimensional stability (%)	D-2126	Max : 1.5	0.17
Flexural strength lb/in <sup>2</sup> (kPa)	C-203	Min : 25 Min : (170)	61 (414)
Water absorption (%)	D-2842	Max : 6.0	4.1
Compressive properties lb/in <sup>2</sup> (kPa)	D-1621	Min : 10 Min : (70)	13 (95)
Limiting oxygen index (%)	D-2863	Min : 24	44

<b>Novofoil 3" (76 mm)</b>
R-17.11 <sup>(1)</sup>

(1) Complete wall results included the two air spaces (interior and exterior) and the air space of 3/4" (19 mm) between NOVOFOIL® boards and gypsum boards.

## AVAILABLE SIZES

NUDURA PRODUCT CODE	PRODUCT DIMENSIONS	QTY/BDL
NFOIL0.5-97	½" x 48" x 97" (13 mm x 1219 mm x 2464 mm)	60
NFOIL1-96	1" x 48" x 96" (25 mm x 1219 mm x 2438 mm)	30
NFOIL2-96	2 1/8" x 48" x 96" (54 mm x 1219 mm x 2438 mm)	14
NFOIL3-96	3" x 48" x 96" (76 mm x 1219 mm x 2438 mm)	10
NFOIL3-100	3" x 48" x 100" (76 mm x 1219 mm x 2540 mm)	10

According to project requirements, boards can be cut to the desired thickness before laminating with the aluminum vapour-barrier membrane

The **3" (76 mm)** 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.

### ISO 9001:2008

Certified quality management system ISO 9001:2008



The expanded polystyrene used for NOVOFOIL® boards in Warnock Hersey (WH) certified according to the **UCL S701** standard

### WARNING

Flammable: interior applications require a protective barrier.

All installations must comply with the National Building Code. The information and suggestions contained in the brochure are provided solely for informational purposes and are offered in a spirit of collaboration. To our knowledge, we believe the information presented can be considered reliable. This brochure shall not constitute, in any case, a REPRESENTATION or a WARRANTY either EXPRESS or IMPLIED, either in terms of the information, data and suggestions included, or with respect to the absence or violation of any patent or other rights of third parties. Any proposed applications must be evaluated beforehand according to the application context and must, as a result be adapted or modified to suit local conditions and materials if necessary.



## INSTALLATION TIPS

1. Apply the NOVOFOIL® insulation boards to the interior walls or ceilings with the vapour-barrier facing the interior.
2. Seal the joints with vapour-barrier adhesive tape.
3. Install ¾" (19 mm) thick wood strips at 16" (406 mm) intervals between the NOVOFOIL® boards and drywall panels to allow reflectivity.

