



integrated
series

DESCRIPTION

Air-barrier insulation board

- 4' x 8' (1.2 m x 2.4 m) or 4' x 9' (1.2 m x 2.7 m)
- Laminated air-barrier membrane on one side
- Benchmarks at 8" (203 mm) intervals printed on the membrane
- ½" (13 mm) shiplapped on two sides

CCMC I3488-R (sheathing membrane)

CCMC I3490-R (air-barrier board)

PRODUCT FEATURES

ADVANTAGES

SUPERIOR PERFORMANCE

- Efficient installation: laminated air-barrier membrane on the board with benchmarks at 8" (203 mm) 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 (3 m² or 3.3 m²)
- Light weight and easy to handle
- Test results exceeding ULC standards

ECONOMICAL

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

APPLICATIONS

RESIDENTIAL, COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL CONSTRUCTION

Insulation for exterior walls

ECOLOGICAL

- Contains recycled materials
- 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% 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



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TECHNICAL DATA SHEET

EPS Physical Properties	ASTM Test Method	ULC S701 Type 2 Requirements	Results
Thermal resistance 1" (25 mm) thick hr-°F-ft ² /BTU (m ² k/w)	C-518	Min : 4.0 Min : (0.70)	4.00 (0.70)
Water vapour permeability ng/Pa-s-m ²	E-96	Max : 3.5 Max : (200)	2.35 (133)
Dimensional stability (%)	D-2126	Max : 1.5	0.28
Flexural strength lb/in ² (kPa)	C-203	Min : 35 Min : (240)	72 (497)
Water absorption (%)	D-2842	Max : 4.0	1.7
Compressive properties lb/in ² (kPa)	D-1621	Min : 16 Min : (110)	18 (124)
Limiting oxygen index (%)	D-2863	Min : 24	42

AVAILABLE SIZES

NUDURA PRODUCT CODE	PRODUCT DIMENSIONS	QTY/BDL
ACLADI-96	1" x 48" x 96" (25 mm x 1219 mm x 2438 mm)	30
ACLADI.5-96	1 ½" x 48" x 96" (38 mm x 1219 mm x 2438 mm)	20
ACLADI-108	1" x 48" x 108" (25 mm x 1219 mm x 2743 mm)	30

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

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.

ISO 9001:2008

Certified quality management system ISO 9001:2008



The Expanded polystyrene use for AIRCLAD[®] boards is 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 of 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 to the exterior walls only
2. Install AIRCLAD[®] boards vertically or horizontally on exterior wall studs, making sure the air-barrier membrane is facing toward the exterior
3. Attach the boards using mechanical anchoring
4. Seal the joints with air-barrier adhesive tape
5. Align the boards joints with the wall studs

