

AIRCLAD®

Air-Barrier Insulation Panel

AIRCLAD®

DESCRIPTION

High density expanded polystyrene air barrier insulation board

- 4 ft x 8 ft (1219mm x 2438mm) or 4 ft x 9 ft (1219mm x 2743mm)
- Laminated air-barrier membrane on 1 side
- Benchmarks at 8 in (203mm) intervals printed on the membrane
- Shiplapped on 2 sides

CCMC 13488-R, sheathing membrane

CCMC 13490-R, air-barrier board



Made in Canada



AIRCLAD®

PRODUCT FEATURES

APPLICATIONS

Residential, commercial, industrial and institutional construction

Insulation for exterior walls

ADVANTAGES

Superior Performance

Two installation steps in one: Laminated air-barrier membrane on the board with benchmarks at 8 in (203mm) intervals

Easy to handle and quick to install

Permanent insulation value

Energy savings through the elimination of thermal bridges

Contains recycled material

Can be handled without health hazards and is non-irritating to skin

TECHNICAL DATA SHEET

EPS Physical Properties	ASTM Test Method	ULC S701 Type 2
Thermal resistance 1 in (25mm) hr·°F·ft ² /BTU (m ² ·°C/W)	C-518	Min : 4,0 Min : (0,70)
Water vapour permeability US Perm. (ng/Pa·s·m ²)	E-96	Max : 2,35 Max : (133)
Dimensional stability (%)	D-2126	Max : 1,5
Flexural strength lb/in ² (kPa)	C-203	Min : 35 Min : (240)
Water absorption (%)	D-2842	Max : 4,0
Compressive properties lb/in ² (kPa)	D-1621	Min : 16 Min : (110)
Limiting oxygen index (%)	D-2863	Min : 24
The maximum continuous service temperature °F (°C) is 167 (75). The maximum intermittent service temperature °F (°C) is 180 (82,2). The coefficient of thermal expansion in/in/°F (mm/mm/°C) is 3,5 x 10-5 (6 x 10-5c-1) as per ASTM D-696 method.		

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

AVAILABLE SIZES

4 ft x 8 ft (1219mm x 2438mm) and 4 ft x 9 ft (1219mm x 2743mm) in thickness of :

1 in (25mm), R-4

1 1/2 in (38mm), R-6

2 in (51mm), R-8

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 Canada. Check with your local Construction Building Code.

ISO 9001:2015

Certified quality management system ISO 9001:2015.



The expanded polystyrene used to manufacture AIRCLAD® is Intertek certified (ETL Listed) in accordance with **ULC S701**.

Warning

Flammable: interior applications require a protective barrier.

All installations must comply with the National Building Code. The information and suggestions contained in this 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.

AIRCLAD®

INSTALLATION TIPS

1. Apply to exterior walls only.
2. Install vertically or horizontally on exterior wall studs, making sure the air-barrier membrane is facing toward the exterior.
3. Attach boards using mechanical anchoring.
4. Seal joints with air-barrier adhesive tape.
5. Match the board joints with the wall studs.

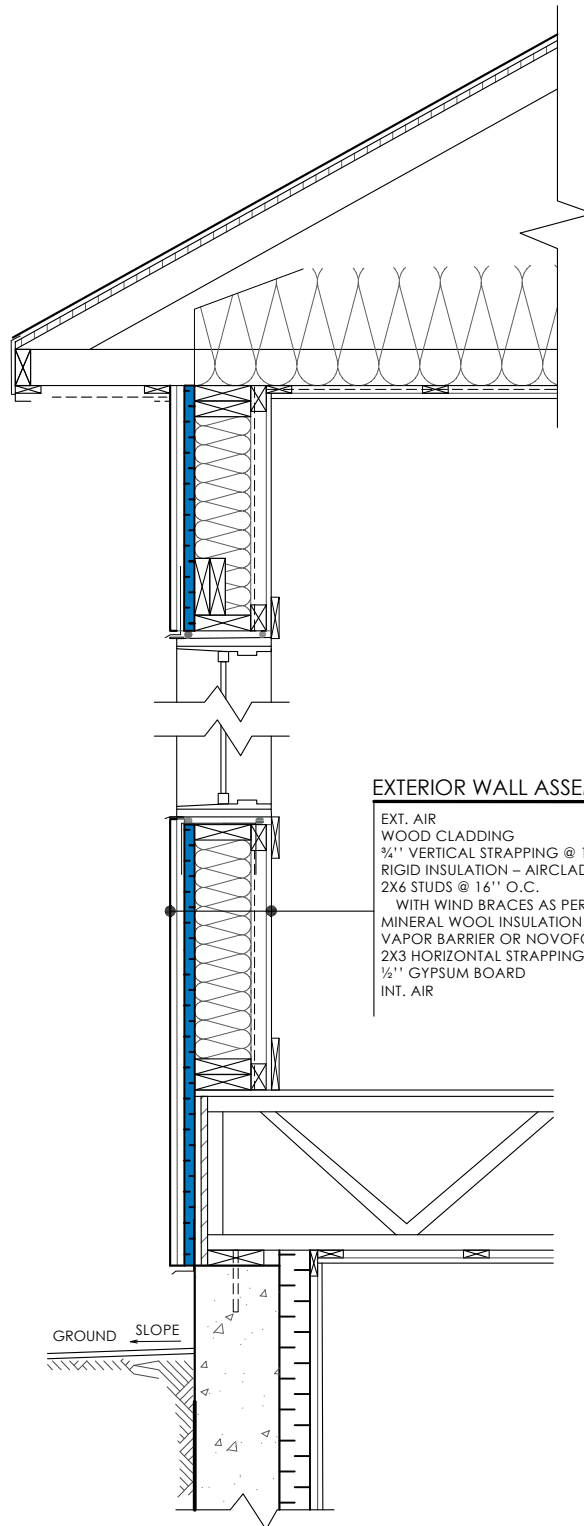


AIRCLAD®



AIRCLAD®





EXTERIOR WALL ASSEMBLY

EXT. AIR
WOOD CLADDING
¾" VERTICAL STRAPPING @ 16" O.C.
RIGID INSULATION – AIRCLAD R-4, 1"
2X6 STUDS @ 16" O.C.
WITH WIND BRACES AS PER CODE
MINERAL WOOL INSULATION R-20, 5½"
VAPOR BARRIER OR NOVOFOIL R-1.94, ½"
2X3 HORIZONTAL STRAPPING @ 16" O.C.
½" GYPSUM BOARD
INT. AIR

Polyform
855 Bd Industriel,
Granby, QC J2J 1A6

THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.

DESCRIPTION WALL SECTION – AIR BARRIER INSULATION PANEL APPLICATION WITH WOOD SIDING

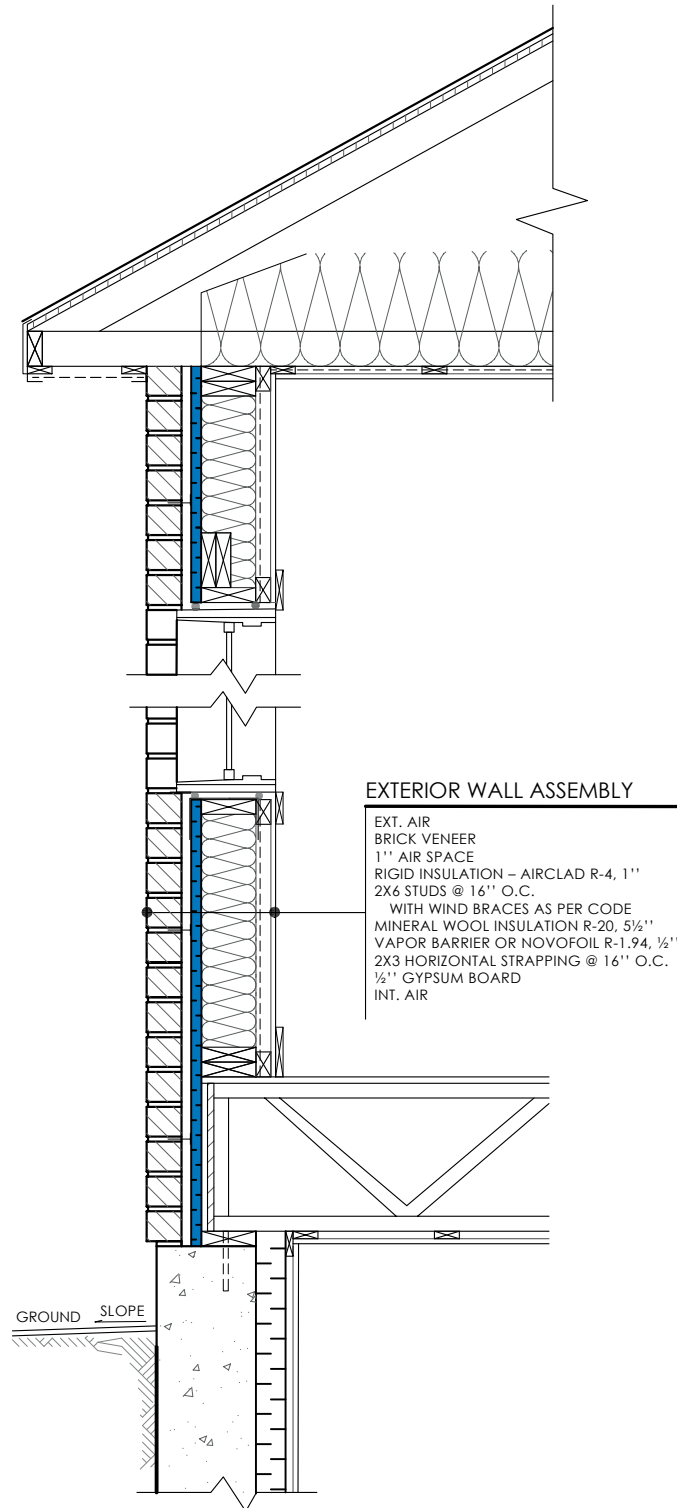
PRODUCT AIRCLAD

SCALE 3/4"=1'-0"

DATE 02/09/2021

NO. 3.01





Polyform

855 Bd Industriel,
Granby, QC J2J 1A6

THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.

DESCRIPTION WALL SECTION – AIR BARRIER INSULATION
PANEL APPLICATION WITH BRICK FINISH

PRODUCT AIRCLAD

SCALE 3/4"=1'-0"

DATE 02/09/2021

NO. 3.02

