

WallBAR™

PERFORMANCE PLUS

WallBAR INJECTED FIBRE WALL INSULATION

SECTION 07215.2

Wall	2" x 4" stud	R-13
	2" x 6" stud	R-20
	2" x 8" stud	R-28
Ceiling	12" - 16" truss	R-45-60
Rim Joist		R-30
*Attic	11"	R40

*(moisture added to provide a stable, settle resistant installation for use in very high humidity conditions)

PART 1 - GENERAL

1.1 Related Work and Sections

- .1 Section 07190 - Air / Vapour Barrier
- .2 Section 09540 - Acoustical Coating

1.2 Work Included

- .1 Provide all labour, materials and equipment necessary to complete installation of WallBAR™ insulation to areas indicated on the drawings and described herein.

1.3 Qualification of the Applicator

- .1 All firms of applicators performing the work of this Section must be licensed by the manufacturer of the WallBAR insulation.

1.4 Samples

- .1 If requested, provide a 16" x 24" x 3-1/2" wall section injected with WallBAR insulation.

1.5 Product Delivery and Storage

- .1 Materials shall be delivered in original, unopened packages bearing name of manufacturer and product identification.
- .2 Store materials off ground, under cover and away from damp surfaces. Keep dry at all times.

1.6 Repair

- .1 All repair of completed insulation, damaged or removed by other trades shall be performed under this section and paid for by the trade causing the damage or removal.

1.7 Manufacturer's Representative

- .1 Allow the manufacturer's representative full access to the site.



We believe the information given here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patents or copyright.
Can-Cell Industries Inc. 14735 - 124 Avenue, Edmonton, AB T5L 3B2

PART 2 - PRODUCTS

2.1 Materials

- .1 Manufactured by Can-Cell Industries Inc., H.O. 14735 - 124 Avenue, Edmonton AB T5L 3B2
Ph: (780) 447-1255 Fax: (780) 447-1034

Other Production / Distribution Locations:

Langley, BC	(604) 513-8830
Kelowna, BC	(250) 491-9091
Prince George, BC	(250) 565-5498
Nanaimo, BC	(250) 754-2943
Grande Prairie, AB	(780) 539-5699
Edmonton, AB	(780) 447-1255
Calgary, AB	(403) 275-4133
Saskatoon, SK	(306) 934-0033
Regina, SK	(306) 359-1100
Winnipeg, MB	(204) 633-6858

- .2 Netting membrane shall be WallNET as supplied by Can-Cell Industries Inc.
- .3 WallBAR insulation fibre shall not contain asbestos or mineral fibres and shall exhibit the following properties:

Technical Data CAN/ULC-S703 M98 Test Criteria.

1. Thermal Resistance (25 mm) RSI = 0.646
(1 inch) R = 3.79
 2. Flame Spread Rating (CAN/ULC - S102) FSC20
 3. Flame Spread Permanence - Passed
 4. Moisture Absorption - 8.8%
 5. Fungal Growth - Passed
 6. Design Density 41 to 51 Kg/m³; 2.56 to 3.18 lb ft³
 7. Corrosivity - Passed
 8. Smoulder Resistance - Passed
 9. Sound Absorption: NRC (Noise Reduction Coefficient) of 0.75 at a 25mm (1 inch) thickness
- .4 WallBAR shall provide a minimum of stated R-value at actual winter temperatures of -30°F (-34°C).

2.2 Materials (Accessories and Air / Vapour Barriers)

- .1 General purpose adhesives supplied by Can-Cell (Weathershield Acoustical), Gibson Homan, Canadian Adhesives, Tremco or others approved by the insulation manufacturer and complying with fire-resistance requirements.
- .2 Air / Vapour Barrier shall be 6 mil CGSB rated Polyethylene.

* MSDS available from the manufacturer upon request.

PART 3 - EXECUTION

3.1 Preparation

- .1 Ensure that all in-wall construction is complete before beginning installation.
- .2 Examine all surfaces and conditions to which the work of this section is to be applied, and ensure that all conditions are suitable to provide complete and satisfactory installation. Report any deficiencies to the superintendent.

3.2 Installation of WallNET Membrane

- .1 Install WallNET to the interior surfaces of structures to receive WallBAR™ insulation. Membrane to be applied neatly, without any slack, stapled 2-1/2" o.c. to the face of studs and plates.

3.3 Installation of WallBAR Insulation

- .1 Place WallBAR insulation in accordance with the manufacturer's recommended procedures. Fill all cavities completely, so that design density is obtained consistently throughout the height and width of each cavity. Place WallBAR in ceiling structures sloped more than 4-1/2:12.
- .2 Following the injection process, dress the membrane surface of each cavity with a roller, compressing as required, to ensure a flat surface.
- .3 Maintain a 75mm (3 inch) minimum clearance from heat sources such as chimney flues, or 150mm (6 inches) from recessed light fixtures. The installer must be familiar with provincial, municipal and local regulations regarding clearance from heat emitting devices.

3.4 Installation of Air / Vapour Barrier

- .1 Install polyethylene sheet barrier to the warm sides of all exterior wall and roof surfaces. Make all joints tightly butted on studs, furring and framing. Fasten securely using 1/4" galvanized staples or adhesives. Lap joints a minimum of 4".

3.5 Clean-up

- .1 Promptly as work proceeds, clean up and remove any surplus material and rubbish resulting from work in this section.