This is Air-Gard
the only housewrap made entirely in Canada

Air-Gard ... Like a blanket around a house

A house should be built to provide the occupants with year round comfort. Yet, one of the biggest causes of discomfort is the infiltration of air through the walls; cold air in the winter that causes drafts... hot air in the summer that affects air conditioning. Being involved in residential construction you know that the materials used will rapidly dry out; settlement and movement will occur around sills, sole plates and headers and gaps will form around doors, windows, studs and electrical boxes. Regardless of the amount of insulation between the studs, air can seep in, in increasing amounts as wind velocity increases. This seepage of cold air results in cold spots on interior walls and uncomfortable drafts in the house. You can reduce this air infiltration by wrapping the house with **Air-Gard**, the air barrier with all the features needed.

Air-Gard ... The Product

Air-Gard is a cross-woven polyolefin sheet, coated on both sides with millions of micro-sized pores that allow the sheet to breathe. A stabilized sheet, specially treated for ultraviolet resistance, is produced in 9'6" widths of either 100, 150 or 195 lineal feet for complete coverage and in 38" widths to cover floor divisions.

Air-Gard ... The Standards

- Certified by CGSB under No 75000, that Air-Gard meets or exceeds the requirements of CGSB Standard CAN 2-51.32-M77 and the additional requirements for UV resistance and heat aging of CCMC Technical Guide 07193 for breather type sheathing membranes which are polyolefin or polypropylene based.

- Confirmed in CCMC Evaluation Report #12264-R.

Engineered for the canadian building trade specifically suited for the canadian climate

Air-Gard ... The Barrier To Air Infiltration

A house should not be completely air tight: there must be some natural air change. Usually there's too much. **Air-Gard** reduces air infiltration by more than 95%. **Air-Gard** is most effective in high wind areas where it reduces cold air currents within the wall cavity.

Air-Gard ... Increases Insulation Efficiency

Reducing air infiltration reduces air movement in the insulation between the studs. The insulation will be better able to maintain its R value.

Air-Gard ... It Breathes

To prevent condensation within the wall cavity, the materials used on the cold side in winter must not prevent the passage of water vapour from the interior to the exterior. **Air-Gard**'s water vapour permeance rating is 6.1 perms. This means that the millions of pores in the sheet allow water vapour to pass through, while preventing wind-driven rain from entering.

Air-Gard ... The Strong Housewrap

The tear strength of 50 lb. in both the machine and cross-machine direction makes **Air-Gard** the strongest sheets on the market. This greatly reduces the danger of tear during application or by the wind, thus saving on repairs and call-backs.

Air-Gard ... Very High Puncture Resistance

Tests show that greater than 90 in. lb. of force is required to puncture the sheet. **Air-Gard** has the best resistance to puncture on the market.

Air-Gard ... High UV Resistance

A sheathing membrane must be able to resist ultraviolet rays of the sun and the damaging effects of the elements. **Air-Gard** does and can be left exposed, withstanding UV light and the elements for a period of 180 days.

Air-Gard ... Allows "See-Thru" Application

Nailing lines can be easily seen through the sheet during application. This simplifies and speeds up the installation, thereby reducing labour costs.

Physical properties & test results

Property		Test method	Unit	CCMC Requirements	Results
Grab Strength	- machine direction	ASTM D1682	lb.	—	80
	- cross machine	"	lb.	—	65
Air Permeability		TAPPI T-460	sec/100 ml	—	25
Water Vapour Permeance		ASTM E96-A	ng/Pa.s.m2	≥ 170 ≤ 1400	350
		"	perms	≥ 3.0 ≤ 24.4	6,1
Tear Strength	- machine direction	ASTM D2261	lb.	—	50
	- cross machine	"	lb.	—	50
Beach Puncture	—	—	in.lb.	—	> 90
Water Ponding	- initial	CCMC 6.1	N/A	≥ 25.4 mm in 2 h	Pass
	- after UV exposure and heat aging	"	N/A	≥ 25.4 mm in 2 h	Pass
Tensile Strength	- initial	ASTM D828	N/mm	≥ 3.5	8. 97
	- after UV exposure	"	% of initial	≥ 90	100
	- after UV exposure and heat aging	"	% of initial	≥ 85	96

Air-Gard ... The Warranty

Fabrene Inc. warrants that **Air-Gard** will be free of defects in material encountered during installation. The warranty does not apply to loss or damage due to abuse, mishandling, accident or failure to follow installation procedure, but does apply to damage caused by exposure to sunlight for a period of 180 days from date of installation. Material found to be defective will be replaced at no charge by Fabrene Inc., but in no event shall Fabrene Inc. be liable for any other costs or damages, including any labour costs.