







Airtight, waterproof, and moisture proof

The concrete slab in the basement must be built to prevent water seepage, thus reducing the risk of excessive moisture. The walls and ceilings must be sealed to prevent drafts, which increase heating bills. Adequate waterproofing and airtightness help avoid the inconvenience of condensation and mould.




	 Novoclimat	 House 1	 House 2
The basement slab is protected by an airtight vapour barrier.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The exterior walls and ceilings are built according to an airtightness technology that is recognized by the competent authorities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The house's airtightness is verified by an independent expert using a blower door test .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The house's airtightness factor is a maximum of 2.5 air changes an hour.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	4/4	/4	/4

Quality control

A reliable professional whom you allowed to inspect your house will identify what needs to be remedied before it is too late. Opting for recognized "energy-efficient house" professionals is how you can be sure you have a quality house that is comfortable and energy efficient.

	 Novoclimat	 House 1	 House 2
The builder has a license that is recognized by the Régie du bâtiment and is registered with a warranty program for new houses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The builder is trained and certified to build houses that have above-standard energy efficiency ratings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The house's energy efficiency is inspected by an independent professional.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The home's compliance to energy standards is officially certified by the Agence de l'efficacité énergétique.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	4/4	/4	/4

Summary...

	 Novoclimat	 House 1	 House 2
Total number of elements checked	30/30	/30	/30
Savings on heating costs	25 %*		
Novoclimat inspection and certification	free	N.A.	N.A.

* Depending on weather conditions and your consumption habits.

Notice

The elements of this list are compulsory technical features of the **Novoclimat** house. **Novoclimat** homes are inspected for their energy efficiency and certified by the Agence de l'efficacité énergétique.

Some of these recommendations are in addition to local building codes and Quebec building standards as well as National Building Code standards in effect.

Certification for prefabricated Novoclimat houses applies to the product when it leaves the factory. Foundations, insulation and certain other components are the buyer's responsibility. For complete certification of the house, including the foundation and the two mandatory inspections, all work must be done by a certified Novoclimat contractor.

Information

www.energy-efficiency.ca
1 866 266-0008



THINKING OF BUYING A New House?

Compare before you buy



You Save and the Environment Benefits!






Compare before you buy



You would like a quality house at the best possible cost? Ask your builder the right questions and compare the information you get. Evaluate all offers before signing a sales or building contract with your contractor. These are the steps all informed consumers should take when considering the purchase of a new house that is comfortable, healthy and energy-efficient.




Insulation

Your house must be continuously insulated from basement to attic. This eliminates cold floors, condensation and the formation of mould, and lowers your heating costs.

	 Novoclimat	 House 1	 House 2
The basement floor is insulated with insulation (minimum RSI 0.88 (R-5)) that covers the foundation footing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The foundation is insulated from top to bottom (minimum RSI 2.99 (R-17)).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The outside walls are well insulated (minimum RSI 4.31 (R-24.5)).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The house structure is protected against the cold (minimum RSI 0.7 (R-4)).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Basement walls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Above-ground walls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Floors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The roof is insulated (minimum RSI 7.22 (R-41)) and well ventilated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	7/7	/7	/7

Doors and windows




Select insulated steel doors that better resist deformations which reduce airtightness. High-performance windows installed with care lower your heating costs, increase comfort levels and considerably reduce condensation and the formation of mould.

	 Novoclimat	 House 1	 House 2
Outside doors are in steel, insulated with polyurethane and comply with standard CAN/CGSB-82.5-M88.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High-performance windows :			
• Glass sealed with argon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Low emission sealant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Insulating spacers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• A2 airtightness (standard A440)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	5/5	/5	/5

Financial assistance is available to persons buying a new Novoclimat home.
Ask us about it today!




Air quality and ventilation

For better air quality and to prevent health and moisture problems, provide controlled ventilation and air intake in the main rooms. The types of equipment selected and the competence of the professionals installing them are also important considerations.

	 Novoclimat	 House 1	 House 2
The ventilation system complies with the requirements of the 1995 National Building Code. It includes fresh air venting in the main rooms.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The ventilation system is installed by a specialized, accredited firm that has had Novoclimat and 1995 National Building Code training.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The ventilation system is equipped with a heat recovery ventilator (HRV) certified by the Home Ventilating Institute (HVI). Its heat recovery efficiency is equal to or higher than 60% at an outdoor temperature of -25°C .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The ventilation system's duct system is made of rigid, airtight ducts that can be cleaned as required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When the ventilation system is installed, the air out-takes are measured and gauged with appropriate instruments.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the house has an attached garage or a combustion apparatus , a carbon dioxide detector must be installed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	6/6	/6	/6

Heating of water and spaces

The efficiency of the heating systems is evaluated with efficient appliances that do not use energy unnecessarily and that keep temperatures constant.

	 Novoclimat	 House 1	 House 2
Electric heating appliances are equipped with electronic thermostats and the central heating system is equipped with a programmable thermostat .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the home uses a wood-burning appliance , it must be either an advanced combustion appliance or an EPA-certified wood stove.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the house has a gas or oil furnace , combustion is in a sealed circuit with direct outdoor emissions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the house has a combustion heating system, an analysis of backdrafts into the house (such as when using a powerful kitchen range hood) must be conducted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of items checked	4/4	/4	/4