



R-2000 Better Than Ever



Natural Resources
Canada

Ressources naturelles
Canada

Canada



THE R-2000 STANDARD

The R-2000 Standard is based primarily on performance, setting criteria for how a home must *perform* rather than specifying exactly how it must be built. This leaves the designer and the builder free to choose the most effective and economical way to build each R-2000 home.

The R-2000 Standard includes requirements related to energy efficiency, indoor air quality and the use of environmentally responsible products and materials.

The R-2000 Standard is supported by an extensive process of government-industry research, development and testing and is regularly updated to ensure that it remains at the leading edge and encourages market transformation.

The R-2000 Standard sets out a number of house performance requirements over and above those required by building codes. In general terms, here's what the R-2000 Standard involves:





Builder training

Only home builders who have successfully completed R-2000 Builder training and hold a current R-2000 Builder Licence can build R-2000 homes.

Energy target

R-2000 homes must operate within a specific energy budget, based on the size of the home and local climatic conditions. Typically, R-2000 homes require 30 percent less energy to operate than conventional new homes.

Whole-house ventilation system

Every R-2000 home must have a whole-house ventilation system that supplies fresh outdoor air to all living areas in the home. This system must be designed and tested to meet the CSA International F326 Standard. Installers must be trained by the Heating, Refrigeration and Air Conditioning Institute of Canada or equivalent.

Environmental responsibility

Every R-2000 home must incorporate a minimum of two environmental features from a list in the R-2000 Standard. In addition, it must be equipped with water-conserving toilets, faucets and shower heads.

Quality assurance

Every R-2000 home must be independently inspected and tested by trained and licensed R-2000 professionals to verify that it meets the R-2000 Standard. Every R-2000 home is certified, and the homeowner is provided with a certificate as proof of compliance with the Standard.

Space heating systems

Space-heating appliances in every R-2000 home must be checked by a licensed R-2000 professional to make sure they have been sized correctly. In addition, the heating systems in the home must not be susceptible to combustion spillage.



Why should you build every home to the R-2000 Standard?

To provide what your clients are asking for – by offering an “R-2000 upgrade” on their home, you can guarantee them clean indoor air, considerably lower energy costs and greater comfort in an environmentally responsible home that is built to last.

To promote your business – you’re selling the best and you can prove it. By having your homes quality-assured to the R-2000 Standard by professionals licenced by Natural Resources Canada (NRCan), your clients are provided with independent quality assurance for their investment. The proof is the R-2000 certificate for their home.

To obtain free national marketing – NRCan promotes the R-2000 Standard and provides free brochures about the advantages of an R-2000 home for builders to distribute to potential clients.

To take advantage of NRCan’s knowledge of energy-efficient and environmentally sound construction – over two decades of building science research is built into the R-2000 Standard.

To learn from the experience of NRCan’s R-2000 professionals’ network – keep up to date on the latest developments in home building technology with regular courses and new on-site training for builders.

To help reduce greenhouse gases and be part of Canada’s climate change solution by reducing the amount of energy required to heat and cool homes.

To become part of the R-2000 team of builders and professionals, call **NRCan’s Office of Energy Efficiency** toll-free at 1 800 387-2000, visit the R-2000 Web site at oee.nrcan.gc.ca/r-2000 or call an R-2000 delivery agent in your area.



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Tel.: (867) 393-7154

Nunavut

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Office of Energy Efficiency
Tel: (613) 943-0740

Northwest Territories

Arctic Energy Alliance
Tel.: (867) 920-3333

British Columbia

Canadian Home Builders'
Association of British Columbia
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Alberta

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Ontario

EnerQuality Corporation
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Ontario First Nations Technical
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Quebec

Agence de l'efficacité
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Tel.: (418) 627-6379
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Newfoundland

Eastern Newfoundland Home
Builders' Association
Tel.: (709) 753-2000
1 800 265-2800 toll-free

New Brunswick

New Brunswick Home Builders'
Association
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Nova Scotia

Nova Scotia Home Builders'
Association
Tel.: (902) 450-5554
1 800 668-2001 toll-free

Prince Edward Island

Natural Resources Canada
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Tel.: (613) 943-0740

Leading Canadians to Energy Efficiency at Home, at Work and on the Road

The Office of Energy Efficiency of Natural Resources Canada strengthens and expands Canada's commitment to energy efficiency in order to help address the challenges of climate change.