

## News

### Theme is Green

Issue 5

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### Inline Fibreglass: Value through Innovation

Inline was founded over 25 years ago by a team of dedicated engineers and technicians.

[Inline Fiberglass Ltd.](#) is the only fully integrated fiberglass window and door manufacturer in Canada. Their experienced team have gained the industry reputation for producing the best fiberglass windows and doors in the market place.

Inline Fibreglass is one of a handful of companies to have been awarded the:

- Solar Decathlon, for a solar-powered home competition
- 2007 Top-10 Green Building Products List

Time and again, Inline has been selected for some truly innovative projects because of their unique combination of high performance, commercial design flexibility and versatility in finishing options.

Check out:

[Mnjikaning First Nation Early Childhood Education Center built in Rama, Ontario](#)

[The Now House, Toronto, Ontario](#)

[Manor Resort in Newport, South Wales](#)

[US Solar Decathlon project, Colorado, US](#)

[Sustainable Condo](#)

[canühome](#)

The company's products and technology are also rapidly becoming recognized as an environmentally responsible building choice. Fiberglass Windows and Door products are being recommended in green design and sustainable building practices for "less" energy consumption, "less" environmental impact, "more" energy savings and the long term benefits of sustainable building.

So what is making Inline so popular? Their research has led to the commercialization of proprietary technology and equipment which is used to pultrude thin walled lineals in virtually any shape and colour that is consistent over the length of the profile - which is giving them a reputation for a leader in the industry.





## Rodeo Homes- Canada's greenest housing development

**The Town of Newmarket, Rodeo Fine Homes and Canada Mortgage and Housing Corporation (CMHC) celebrated a sneak-preview of Canada's greenest residential low-rise community last week.**

The 34-unit development by Rodeo Fine Homes is one of only a few developments in North America to be built entirely to Leadership in Energy and Environmental Design (LEED®) PLATINUM specifications, which is a world-wide sustainable building rating system.

Each of the [34 Eco Logic homes](#) has a cistern that collects 100% rain water to flush toilets and for irrigation, each home has solar hot water heating for 60% of the domestic load and each of the homes will significantly reduce their environmental impact or "footprint" by performing 60% better than normal for total energy use compared with a conventional development.

In addition to this environmentally sensitive design, Rodeo Fine Homes has put in place new building and material sourcing practices that will reduce construction waste by 65%, prevent soil erosion, leave about 25% of the lots untouched and naturally green, source local materials, use Forest Stewardship Council (FSC) certified wood, and maximize the recycled content in all of the materials used.

The "sneak-preview" was an opportunity to share best practices between communities and even across countries. Environmental builders from Michigan and representatives from Green Built Michigan toured the site as part of a trade mission hosted by CMHC to share best practices in environmentally sustainable design.

Building Canada's greenest homes is not just a matter of making a few small changes, but a holistic re-thinking of resources, waste and energy use. Using the LEED for Homes guideline as a design tool, Rodeo Fine Homes made the following green upgrades to ensure that these homes have a lower impact on the environment and improve indoor air quality.

- **Formaldehyde Free Plywood cabinets**  
[Aya Kitchen's formaldehyde free plywood cabinets](#) eliminate product emissions. Aya makes use of eco-friendly products such as low HAPS (Hazardous Air Pollutants) finishes and their exclusive UV cured topcoat.
- **Solar Hot Water Heating**  
[EnerWorks solar water heating](#) appliance will be installed in each of the 34 homes in the subdivision and will provide over 50% of the annual water heating needs for the homeowners, resulting in real economic savings and environmental benefits. Water heating typically accounts for approximately 15-20% of a family household's energy consumption and annually results in two tons of greenhouse gas emissions.
- **Increased Insulation Levels**  
[Icynene Insulation System®](#) is classified as an insulation and air barrier. Icynene is 100% water blown and, after curing, does not off gas in the indoor environment maintaining its R-Value for the life of the



building. In addition, Icynene contains no ozone depleting HCFCs, thereby further reducing its environmental impact. When applied, Icynene expands up to 100 times its original volume in seconds effectively minimizing air leakage.



## Toronto: A Regional Centre of Expertise

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### Who Knew???

**Toronto was recognized in May 2005 by the United Nations as a Regional Center of Expertise (RCE) in Education for Sustainable Development.** That means the UN recognized that in Toronto there are - school teachers, researchers, business leaders, politicians, and the media - focused on educating the local community about the values of sustainable development, striving to change behavior, and ultimately helping to achieve a wide range of global goals on such complicated topics as human health, gender equality, rural growth.

Toronto was the first city in North America to receive the unique designation. Obviously it is an honor to be the first at something, and this particular honor held by Toronto is shared by only a few other cities and [regions worldwide](#).

Since May 2005, several other Canadian cities have earned the designation:  
 Greater Sudbury, Canada  
 Montreal, Canada  
 Saskatchewan, Canada  
 Toronto, Canada

The goals of the RCE are to improve the quality of education towards sustainable development and to aid the government in engaging the community on local sustainability issues.

### Organizations involved:

The City of Toronto, Toronto Zoo, universities and colleges, Toronto and Region Conservation Authority, school boards, museums, environmental and sustainability NGOs and media organizations. Over time, the RCE will be expanded to include comparable organizations in the Greater Toronto Area and the Golden Horseshoe.

For more information on Education for Sustainable Development and the



RCE initiative, contact Charles Hopkins, E-mail: [chopkins@edu.yorku.ca](mailto:chopkins@edu.yorku.ca)

[For a quick glimpse of all upcoming events check out our events calendar](#)



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