

# Confort Géothermique

Gatineau, Quebec, Canada



## Confort Géothermique chose DuroFoam® insulation to boost efficiency of their hydronic heating systems

Established in 2004, Confort Géothermique specializes in the installation of geothermal heating systems in Quebec and eastern Ontario. Geothermal systems are emerging as a popular option to reduce heating and cooling costs in high performance buildings. By using the natural heating and cooling properties of the earth, geothermal systems can cut heating and cooling loads by up to 70 percent.

To achieve the maximum efficiency on their geothermal systems, Confort Géothermique installs Plasti-Fab® DuroFoam® beneath the hydronic tubing used in geothermal radiant heating systems. Placing closed-cell DuroFoam insulation under radiant heating systems prevents downward heat transfer and creates a more uniform heat distribution to the floor of a home or commercial building.

Confort Géothermique employed this process on the 10,000 sq. ft. McConery General Motors dealership in Maniwaki, Quebec. The building uses a 30-ton geothermal heating system

that saves an estimated 50 percent in heating costs and 8 tons of greenhouse gas emissions per year.

A similar specification was used on a 10,000 sq. ft., LEED certified home in Stittsville, Ontario. DuroFoam insulation was used beneath the first floor radiant heating system and also to enclose below-grade geothermal lines.



"We are now using the DuroFoam product in the trenches from the well to the buildings to protect the lines from frost," said Williams. "The service from

Plasti-Fab has been excellent and we are very happy with the product."

"Confort Géothermique has done an excellent job helping building owners save money and really reduce their carbon footprint," said Plasti-Fab representative François Brossard. "DuroFoam insulation is a great cost-effective solution for insulating beneath hydronic tubing on in-floor radiant heating systems."