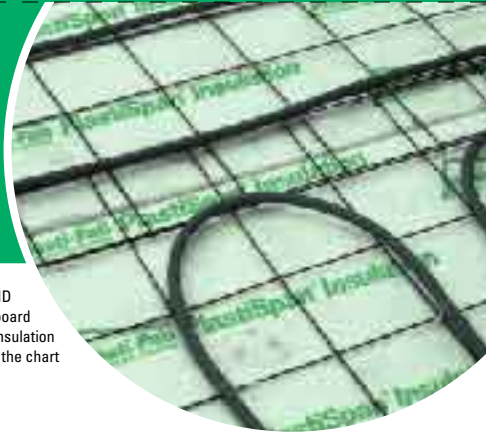
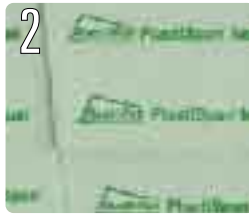


Radiant Floor Heating Systems

using **PlastiSpan® HD** or **DuroFoam® HD** Insulation



1
Cover The Fill With A Moisture Barrier.
Place and level 6" thick layer of granular fill over the floor area. Cover with a 6 mil polyethylene moisture barrier.



2
Place PlastiSpan Insulation.
When placing the insulation over the moisture barrier ensure that the joints are tightly butted together. Trim around the perimeter and openings as required.



3
Install Hydronic Tubing.
Tie the hydronic tubing to the reinforcing material (i.e., mesh) using cable ties.

Recommended PlastiSpan HD Insulation or Durofoam HD board thickness to satisfy typical insulation requirements is identified in the chart below illustration # 3.



4
Install Reinforcing.
Support the required concrete reinforcing material over the insulation at the height required.



5
Pour the Concrete Slab.
The concrete is poured over the insulation using normal construction methods and equipment.

Product Application Description ¹	Required Thermal Resistance	Insulation Thickness ²
Slab-on ground containing pipes or heating ducts - 1997 Ontario Building Code, Table 9.25.2.1.	RSI-1.76 (R-10)	63.5 mm (2-1/2")
Radiant heating slabs on ground - 1998 British Columbia Building Code, Table 9.25.2.1.	RSI-2.1 (R-12)	76.2 mm (3")

1. Product application descriptions provided for reference only.
2. PlastiSpan HD insulation meets requirements of CAN/ULC-S701, Type 2. Required thickness to meet specified Code minimum is calculated based upon RSI-0.70 m² • °C/W (4.04 R² • hr • °F/BTU) per 25-mm (1-inch) of insulation thickness. Alternatively, PlastiSpan insulation meeting requirements of CAN/ULC-S701, Type 1 can be used for this application. Adjust required thickness to meet Code requirement based upon RSI-0.65 m² • °C/W (3.75 R² • hr • °F/BTU) per 25-mm (1-inch) of insulation thickness.



Certified Climate Protection

1-888-446-5377

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