The Owens Corning PINK® Insulating System

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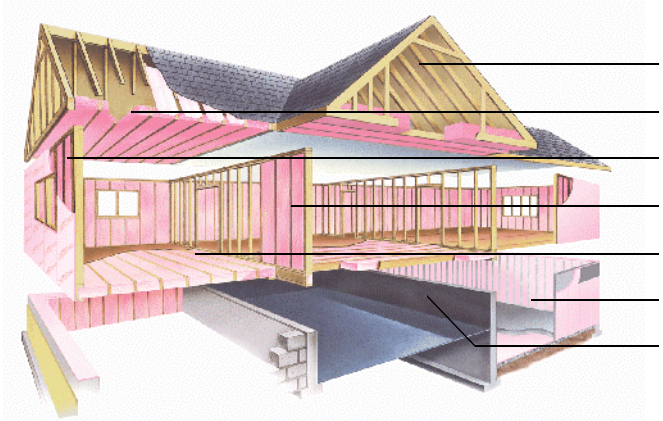
The Owens Corning PINK® Insulating System



Products

Systems

Solutions

A complete insulating system can include the following products:

- **Owens Corning PINK® Fiber Glass Insulation**
- **CodeBord® Extruded Polystyrene Foam Insulation**
- **Celfort® 200 Extruded Polystyrene Foam Insulation**
- **Celfort® 200 Cel-Lok® System Extruded Polystyrene Insulation**
- ***FoamSealR*™ Sill Gasket**
- **ProPink™ Loosefill Fiber Glass Insulation**
- ***raft-R-mate*™ Attic Rafter Vent**
- **QuietZone® Acoustical Batts**

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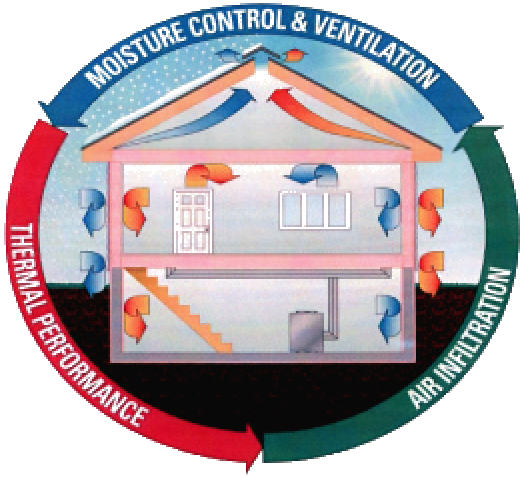
The Complete Home PINK® Insulating System Addresses:

1. Thermal Performance
   An insulation's ability to resist the transfer of heat



2. Air Infiltration
   Air leakage increases heating and cooling costs

3. Moisture Control & Ventilation
   Ventilation allows attic moisture and hot summer air to escape

Products

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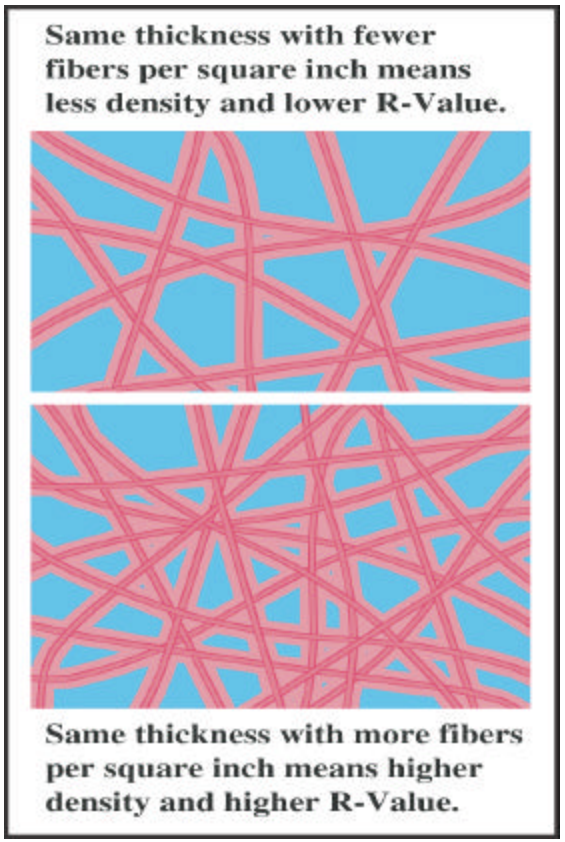
Thermal Performance

Heat moves from warmer to colder areas

R-Value

- **Resistance to heat flow**
- **Determined by fiber diameter, thickness and density**
- **Resists heat transfer because of tiny pockets of trapped air**
- **Increase in R-Value increases insulating power**

For Fiber Glass Batts



Fine glass fibers achieve same R-Value at about 1/2 the density of rock fiber insulations.

Products

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Solutions

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Moisture Control & Ventilation

Products

Systems

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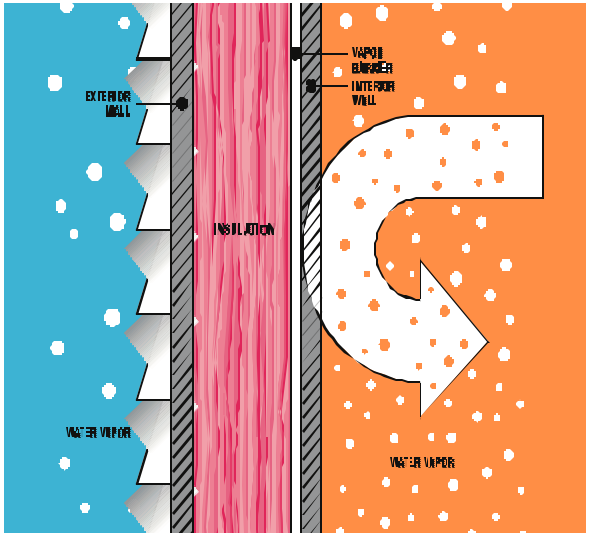
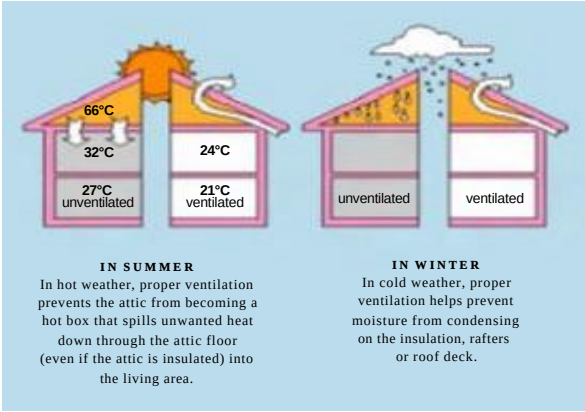
Moisture Control

- **Vapour retarders help control the amount of moisture which passes through insulation and collects inside exterior walls, ceiling and floors**
- **Types of vapour retarders:**
  - Polyethylene
- **Install vapour retarder toward the warm-in-winter side of the house**



Ventilation

- **Proper ventilation creates a positive air flow which prevents moisture build-up**
- **There must be suitable-sized inlet and outlet vents to obtain positive air flow**



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What's Your Insulation Project?

- Products
- Systems
- Solutions

Cathedral Ceiling

Exterior Wall

Uninsulated Attic

Adding to an Attic

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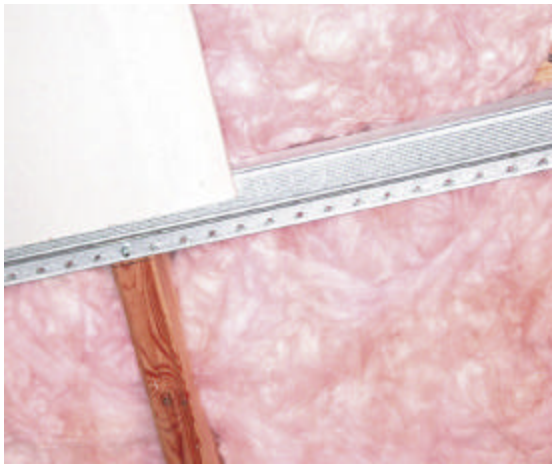

Sound Control

Crawlspace under Floors

Crawlspace Walls

Basement Walls

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Owens Corning PINK® Fiber Glass Insulation Product Line

Products

Systems

Solutions

Cathedral Ceilings

R-35 (9 7/8”) **R-31 (9 1/4”)** **R-28 (8 1/2”)**

Attic / Flat Ceilings

Uninsulated Attic	*Adding to existing insulation*	
R-40 (10 3/8”)	**R-35 (9 7/8”)**	**R-31 (9 1/4”)**
R-35 (9 7/8”)	**R-28 (8 1/2”)**	**R-22 (5 1/2”)**
R-31 (9 1/4”)	**R-20 (6”)**	

Exterior Walls

R-22 (5 1/2”)	**R-20 (6”)***	**R-14 (3 1/2”)****
R-13 (3 1/2”)	**R-12 (3 1/2”)**	

(*R-19 when compressed to 5 1/2”)

Floors

R-28 (8 1/2”) **R-22 (5 1/2”)** **R-20 (6”)**

Crawlspace Walls

R-22 (5 1/2”)	**R-20 (6”)**
R-13 (3 1/2”)	**R-12 (3 1/2”)**

Basement Walls

R-20 (6”)	**R-22 (5 1/2”)**
R-12 (3 1/2”)	**R-13 (3 1/2”)**

Interior Walls & Floors / Ceilings for Sound Control

QuietZone (3 1/2”)	**R-12 (3 1/2”)**	**R-13 (3 1/2”)**
R-20 (6”)	**R-22 (5 1/2”)**	

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Recommended Insulation Values

According to Geographic Region

Examples of mainly 2x6 wood frame construction wall insulation designs, which typically meet the R-2000 energy targets for each Celsius degree-day location for fossil fuel heating, are listed below. Likewise, each home's air tightness is required to meet 1.5 ach at 50Pa and to incorporate a heat recovery ventilator to meet standard ventilation requirement. An R-2000 home auditor will need to verify the design and installation for a specific home meets all R-2000 technical requirements.

Degree-Day (°C)	3000	3600	4000	4600	5200	5900
Example City	Vancouver BC	Windsor ON	Toronto ON	Ottawa ON	Calgary AB	Winnipeg MB
Component						
Attic	(R-40)	(R-40)	(R-40)	(R-50)	(R-50)	(R-50)
Upper Walls						
Batt	(R-14)	(R-20)	(R-20)	(R-20)	(R-20)	(R-20)
Rigid	(R-5)	(R-5)	(R-5)	(R-7.5)	(R-7.5)	(R-7.5)
Basement Walls (full height)						
2x4 Stud Batt or Rigid	(R-14) or (R-12.5)	(R-20) or (R-17.5)	(R-20) or (R-17.5)	(R-20) or (R-17.5)	(R-20) or (R-17.5)	(R-20) or (R-17.5)

Note: Other assembly design combinations with steel or wood studs or with insulated concrete forms that meet the R-2000 energy targets may be used

Products

Systems

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Owens Corning Special PINK® Products

High Density Insulation

- **R-28 (8 1/2”)**
  R-31 (9 1/4”)
  R-35 (9 7/8”)
- **Provides 2 1/2” of ventilation space as required by Canadian building codes at top of joist space or by installing batt thicknesses up to joist height less 1” and by installing 1 1/2” (2x3 or 2x4) thick purlins under the roof sheathing over the joists**

Products

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The PINK® Insulation Project Calculator

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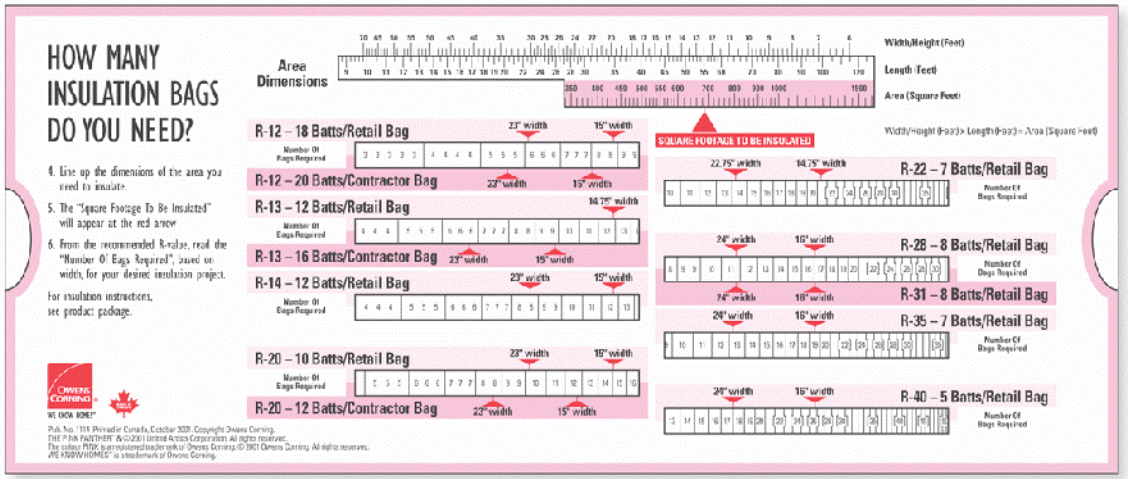

Owens Corning PINK® Insulation Packaging

- Is colour coded
- Specifies square feet per package
- Explains coverage per package
- Recommends applications
- Gives installation instructions
- Refers to 1-800-GET-PINK® for assistance

Products

Systems

Solutions

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What Tools are Needed?

Basic Tools

- **Tape measure**
- **Utility knife**
- **Straight-edge**
- **Stapler**
- **Hammer**

Protective Gear

- **Work gloves**
- **Long-sleeve shirt**
- **Safety glasses**
- **Dust respirator**

Special Equipment

- **Boards to kneel on**
- **Insulation supports**
- **Pole or rake**

Products

Systems

Solutions

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PINK® Thermal Wall

- Products
- Systems
- Solutions

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