

Fi-Foil Energy-Efficient Solutions

Now more than ever...

Architects, Builders and Homeowners are demanding superior energy-efficiency, comfort, value, along with safe, sustainable building materials.

The Fi-Foil Family of Insulation Products

For more than two decades, Fi-Foil has led the industry in **energy-efficient, radiant insulation solutions**. Our products are environmentally friendly and safe for both owners and installers.

Our two main product categories are:

Reflective Insulation

uses layers of aluminum foil, paper and/or plastic to enclose a building cavity. These layers form reflective air spaces that greatly reduce radiant heat transfer and heat flow by convection.

Building Scientists agree that the key to comfort and energy savings is to control the radiant surface temperatures of the ceilings, walls and floors. Fi-Foil's products effectively reduce (in the summer) and increase (in the winter) the radiant surface temperatures to provide greater energy-efficiency and improved comfort.

Radiant Barriers

are primarily used in a vented cavity to reduce radiant heat transfer, which is often the primary method of heat gain and loss in a structure.

Product Selection Guide

APPLICATION	FI-FOIL PRODUCT & VERSION	PRIMARY FUNCTION OR BENEFIT	OTHER NOTES
Masonry Walls	M-Shield	No Paper Components. Helps Prevent Mold and Manage Moisture	Meets ASTM C1338 Fungus Test – No Growth
Masonry Walls	AA-2 Vapor Shield™ (Standard Version)	Thermal Insulation - R-4.2 on 3/4" furring	Can also function as a Vapor Retarder
Masonry Walls	AA-2 Vapor Shield™ (Hi-Perm Version)	Thermal Insulation - R-4.1 on 3/4" furring	Perforated - Not a Vapor Barrier
Masonry Walls	VR Plus Shield™ (Standard Version)	Thermal Insulation - R-7.1 on 1-1/2" furring	Can also function as a Vapor Retarder
Masonry Walls	VR Plus Shield™ (Hi-Perm Version)	Thermal Insulation - R-7.0 on 1-1/2" furring	Perforated - Not a Vapor Barrier
Attic Radiant Barrier	Silver Shield™ Radiant Barrier	Reduces Attic Temperatures, Improves Duct Performance, Lowers Ceiling Temperatures	Combination of RB/Insulation is Better than Adding More Insulation for Savings & Comfort Control
Thermal Barrier for Exterior Walls	Radiant Shield™ (Standard Version)	Fills In Gaps & Voids - Replaces Vapor Retarder	Energy Savings & Comfort Control
Radiant Barrier for Knee Walls and Bonus Rooms	Silver Shield™ Radiant Barrier or Radiant Shield™ (Hi-Perm Version)	Thermal Barrier Against Extreme Conditions in Attic Spaces	Improves Comfort in Hard to Cool & Heat Rooms
Frame Wall Flash & Foil	VR Plus Shield™ (Standard and Hi-Perm Versions)	Added R-Value to Partially Foam Filled Framed Walls	Hi-Perm Version Allows Vapor Transfer. Standard Version Acts as a Vapor Retarder.
Thermal Barrier for Exterior Walls and Bonus Rooms	Radiant Shield™ (Hi-Perm Version)	Fills In Gaps & Voids - Not a Vapor Retarder	Energy Savings & Comfort Control
Crawl Space or Floor Joist Insulation	RBI Shield™ Ultra	Thermal Insulation R-16 - Reflects 97% of the Radiant Heat	Can Function as a Vapor Retarder Great for Radiant Floor Heating
Concrete Slabs	Concrete Shield™	Continuous Thermal & Vapor Barrier	Replaces Foam Boards - Great for Radiant Floor Heating

REQUEST PRODUCT SPECIFICATION SHEETS FOR DETAILED INFORMATION

For more information, visit our website at www.FiFoil.com.

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Energy-Efficient Insulation Solutions

RESIDENTIAL



Our Solutions Reflect on You



Fi-Foil Energy-Efficient Solutions - Residential

Masonry Wall Insulation

- Replaces or Complements Foam Board or Foam Filled Cavities
- Meets or Exceeds Florida & International Building and Energy Codes
- Green Building Solution



M-Shield



- Helps Manage Moisture - The Product "Breathes," Allowing Vapor Transfer
- Helps Prevent Mold - No Paper Components
- Meets ASTM C1338 Fungus Test - No Growth
- Class A Flammability Rating



AA2 Vapor Shield™



- Lowest Cost Per R-Value Of All Masonry Wall Insulation Materials
- High Perm, The Perfect Solution For Hot Humid Climates
- Tape Tab Options For Metal Furring

VR Plus Shield™

R-Values are for heat flow horizontal. See product specification sheet for additional information.

Frame Wall Insulation Solution

Flash & FOIL

Flash & FOIL helps reduce costs and increase R-Values by combining Fi-Foil's VR Plus Shield™ Reflective Insulation and Spray Foam Insulation.

- R-Values From R-11 to R-20
- Less Cost Versus Flash and Batt System
- Multiple Layers Virtually Eliminate Radiant Heat Transfer
- Green Building Material Contributes to LEED and NAHB Credits

Crawl Space Insulation



Fi-Foil's RBI Shield™ (Reflective Bubble Insulation) reflects 97% of radiant heat and can function as a vapor retarder.

- R-16 When Used Alone
- Reflects 97% of Radiant Heat
- Can Act as a Vapor Retarder
- Air Infiltration Barrier

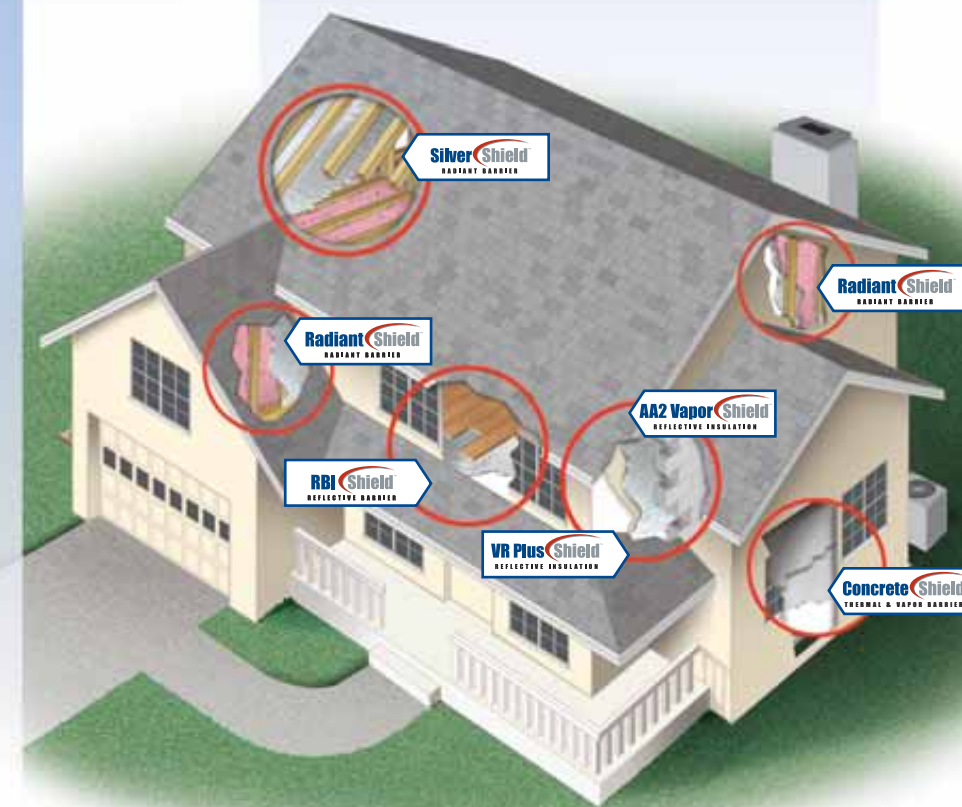


Under Slab Vapor Retarder & Thermal Barrier



Fi-Foil's Concrete Shield™ creates a continuous thermal and vapor barrier. Perfect for radiant floor heating!

- Flexible, Durable & Continuous Vapor Retarder/Thermal Barrier
- Integrated Tape Tab for Sealing Seams
- Replaces or Complements Rigid Insulation Board
- Great with Radiant Floor Heating Systems



Fi-Foil Has Your Whole House Covered

Attic Radiant Barrier



Fi-Foil's Silver Shield™ reduces radiant heat transfer by 97% to create a more energy-efficient, comfortable home for all weather conditions.

- Saves Energy & Improves Comfort
- Highest Performing Radiant Barrier Product Application
- Reduces Attic Temperatures Up to 30%
- Improves Duct & Insulation Performance Up to 50%
- Improves Comfort in Garages, Patios & Porches



Bonus Room and Knee Wall Radiant Barrier



Fi-Foil's Silver Shield™ or Radiant Shield™ creates a thermal barrier against extreme conditions in both knee walls and bonus rooms.

- Maintains Proper Alignment - Holds Insulation Against the Air Barrier
- Reflects Extreme Heat in the Summer and Reduces Radiant Losses from the Surface of the Insulation in the Winter
- Saves Energy & Improves Comfort Year-round