

# Reflectix® Concrete Slab Insulation



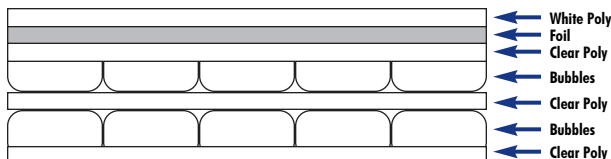
## Benefits:

- R-Value 1.1
- Enhances Radiant Floor Systems
- Vapor Retarder
- Non-Toxic/Non-Carcinogenic
- Fiber Free
- Environmentally Safe
- Radon Retarder
- Installs Quickly and Easily
- Lightweight and Clean
- Not Affected by Moisture/Humidity
- No Nesting Characteristics for Insects
- No Need for Protective Garments or Respirators When Installing

Reflectix® Concrete Slab Insulation consists of seven layers. The first layer of white poly is bonded to foil to protect from lime in curing concrete. Each outer layer is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength.

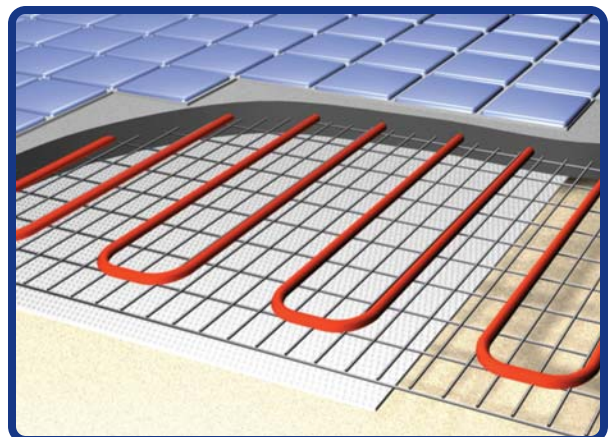
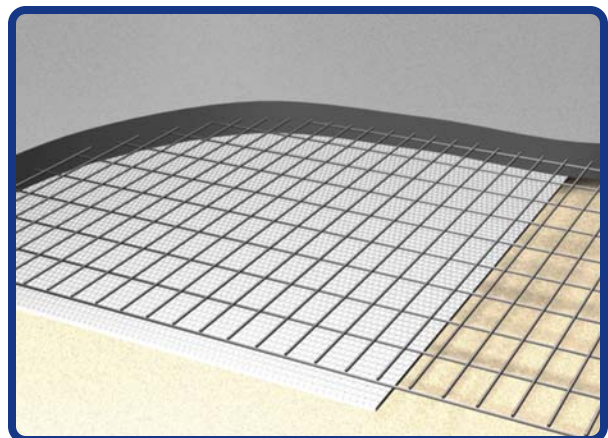
## Uses:

- Insulation (and a Vapor Moisture Retarder) Under a Concrete Slab
- Insulation Under a Radiant Floor System (in a Slab)
- Insulation Under a Snow Melt System (in a Slab)



## Technical Data:

Temperature Range:	-60 degrees to +180 degrees F
Nominal Thickness:	5/16 inch (.312)
Weight:	1.25 oz./sq. ft.
Linear Shrinkage:	None
Water Vapor Transmission (ASTM E 96):	0.02 Perms
Puncture Resistance:	60 lb./in.
Mold and Mildew:	No Growth
Tensile Strength:	3.7 N/mm
Pliability:	No Cracking
Physical Properties - Compression	6%



**Pictured to the Right:**  
Under a Concrete Slab (Top)  
Radiant Heating in a Concrete Floor (Bottom)

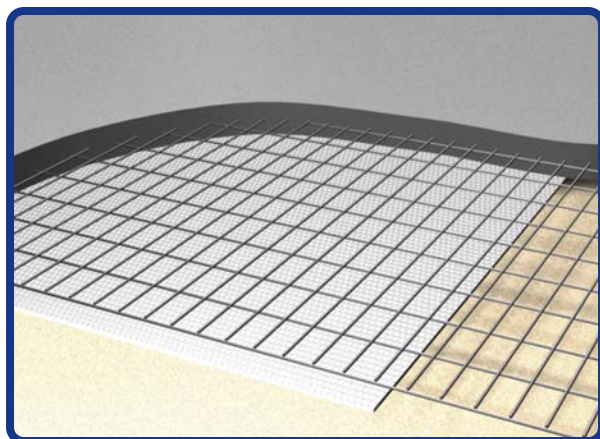
## Testing and Certification:

All tests on Reflectix® Insulation are performed at either nationally approved independent laboratories or at leading universities. Tests are performed to current American Society of Testing and Materials (ASTM) Standards when a standard exists. For a copy of any of the actual test reports, call 1 (800) 879-3645.

- Thermal Performance ASTM C518
- Fungus Resistance Mil-Std 810B Method 508
- Pliability Test
- Water Vapor Transmission ASTM E96
- Tensile Strength

## Product Standards:

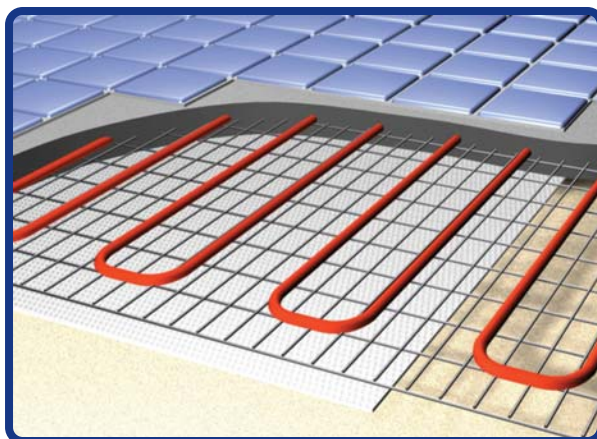
**Resistance to fungi or bacteria:** Reflectix® does not promote the growth of fungi or bacteria.



### Under a Concrete Slab

- 1) Unroll Reflectix® Concrete Slab Insulation over the sand or gravel, (white poly side up.)
- 2) Butt the seams.
- 3) Seal the seams with 3" wide poly tape. All tape should be applied using a flat edge taping tool to assure good adhesion.
- 4) Install reinforcing rod and then pour the concrete as usual.

**Builder's Note:** Adding 1" of sand over the Reflectix® Concrete Slab Insulation will facilitate water drainage and shorten the actual curing time.



### Radiant Heating in a Concrete Floor

- 1) Unroll Reflectix® Concrete Slab Insulation over the sand or gravel, (white poly side up.)
- 2) Butt the seams.
- 3) Seal the seams with 3" wide poly tape. All tape should be applied using a flat edge taping tool to assure good adhesion.
- 4) Install radiant heating and reinforcing rod, and then pour the concrete as usual.

**Builder's Note:** Adding 1" of sand over the Reflectix® Concrete Slab Insulation will facilitate water drainage and shorten the actual curing time.



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**Seal and Insulate  
with ENERGY STAR**

Insulation saves energy when installed  
according to ENERGY STAR guidelines.

## Saving Energy, Radiating Quality.

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