

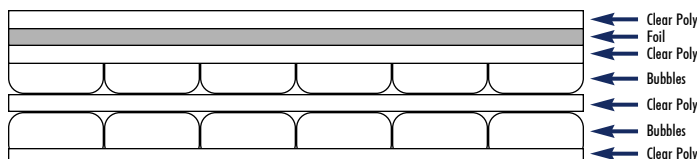


# Introducing the Reflectix® Concrete Slab Insulation



## Product Description:

Reflectix® Concrete Slab Insulation consists of seven layers. The first layer of clear poly is bonded to aluminum 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. The product includes an orange tape indicating which side of the product should be installed facing "up".



## Technical Data:

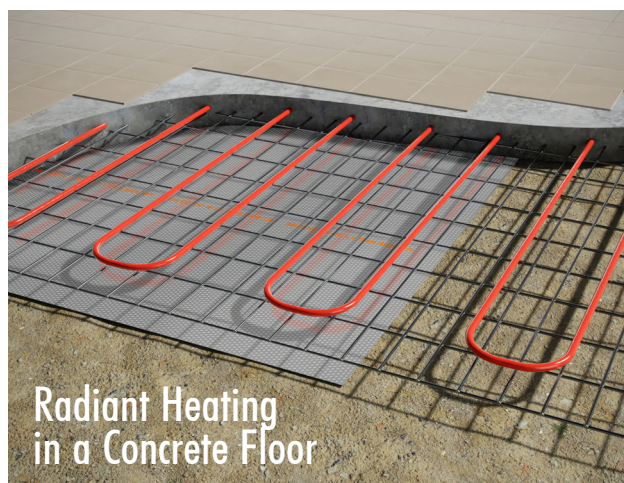
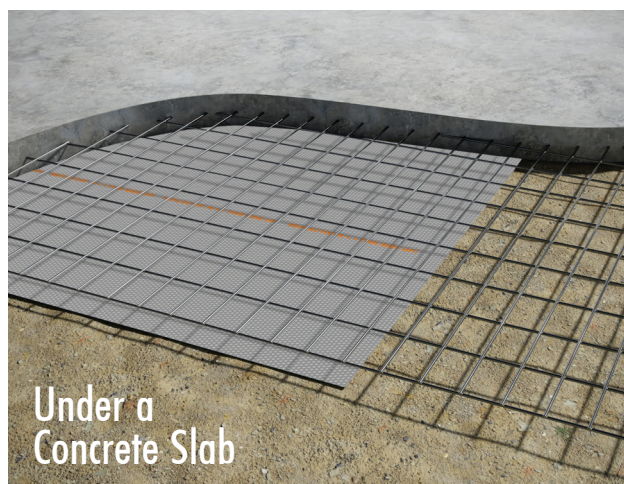
|                                       |                       |
|---------------------------------------|-----------------------|
| Temperature Range:                    | -30 to +180 degrees F |
| Nominal Thickness:                    | 5/16 inch (.312)      |
| Weight:                               | 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% |                       |

## Additional Features and Benefits:

- R-value 1.1
- Enhances Radiant Floor Systems
- Vapor Retarder
- Resistance to fungi or bacteria
- Non-Toxic/Non-Carcinogenic
- Fiber Free
- 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

## 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)



# Reflectix® Concrete Slab Insulation

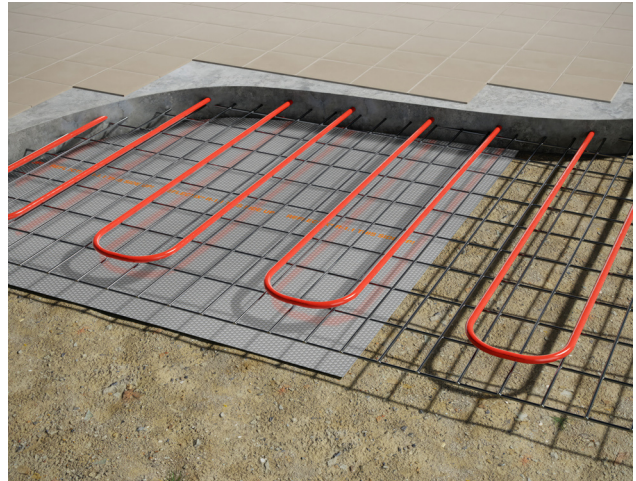
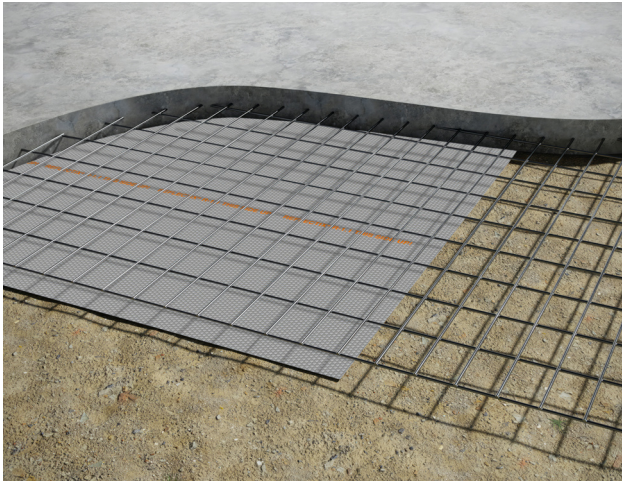
## Testing and Certification:

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.

## Test Methods:

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

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 (printed orange tape side facing 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 (printed orange tape side facing 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.



REFLECTIVE  
PRODUCTS

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