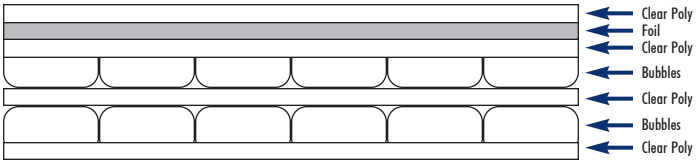
Introducing the Reflectix® Concrete Slab Insulation



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 a orange tape indicating which side of the product should be installed facing "up".



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

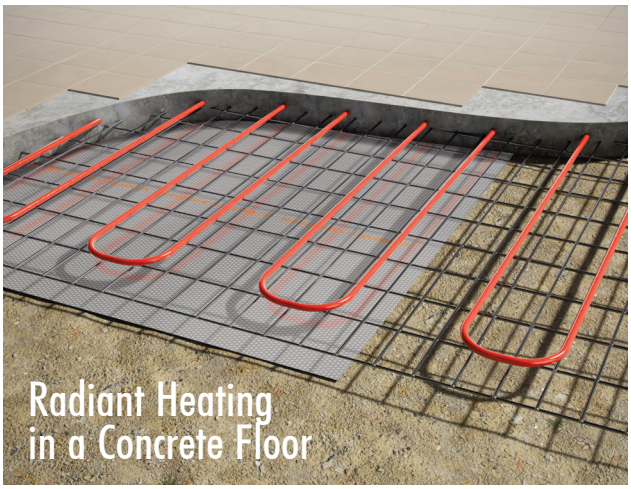
Uses:

- 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)

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%





Reflectix® Concrete Slab Insulation

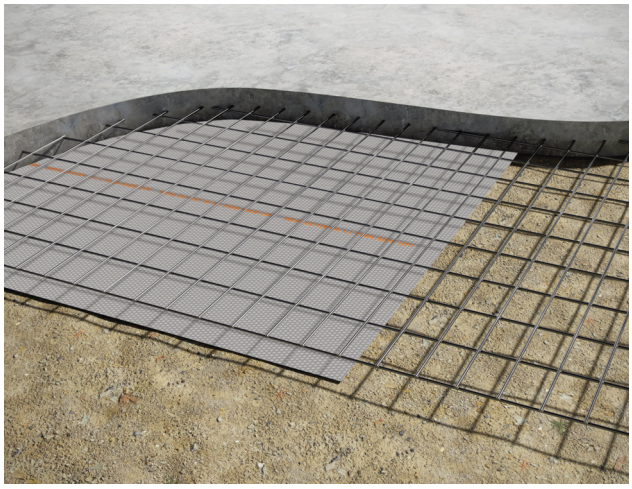
Testing and Certification:

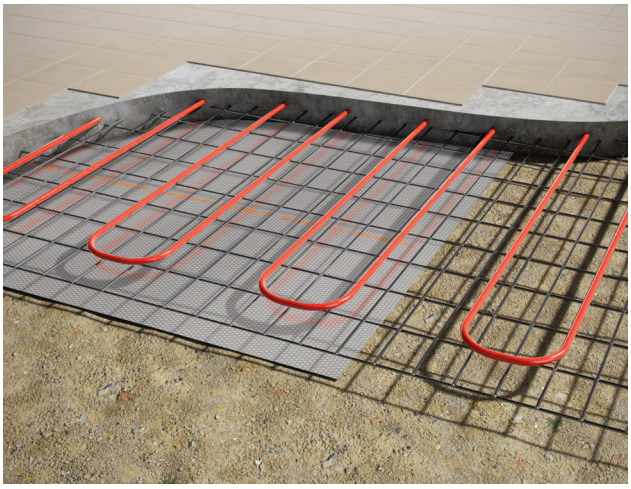
All tests on Reflectix® Insulation are performed at either nationally approved independent laboratories or at leading universities. Tests are performed to current American Society of Testing and Materials (ASTM) Standards when a standard exists.

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.

Reflectix

#1 School St. (POB 108) Markleville, IN 46056 • (800) 879-3645
E: customerservice@reflectixinc.com • www.reflectixinc.com