



FLEXEAL

Under Concrete Insulation

Flexeal Under Concrete Insulation consists of a double layer of polyethylene bubbles sandwiched between a highly reflective metalized film surface and a clear polyethylene sheet. It is ideal for many under-slab insulation applications, as the reflective metalized film surface is treated with a coating designed to protect it from curing concrete.

Benefits

Enhances Radiant Floor Systems

Vapor Retarder

Fiber-free

Lightweight and clean

No Need for Protective Garments or Respirators When Installing

Resists growth of fungi, mold, mildew

Non-Toxic/Non-Carcinogenic

Installs Quickly and Easily

No Nesting Characteristics for Insects

Not affected by moisture or humidity

Technical Data

Temperature Range:	- 30° to 180° F
Nominal Thickness:	5/16 inch (.312)
Weight:	1.25 oz./sq. ft
Reflectance (IR):	96%
Water Vapor Transmission (ASTM E 96):	0.02
Puncture Resistance:	60 lb./in.

Linear Shrinkage:	None
Mold and Mildew:	No Growth
Emittance:	0.04
Tensile Strength:	3.7 N/mm
Pliability:	No Cracking
Hot Surface Performance:	Passed (250F)

Testing & Certifications

Emissivity ASTM C1371

Elevated Temperature and Humidity Resistance of Vapor Retarders ASTM C1258

Resistance to Fungi ASTM C1338

Bleeding and Delamination ASTM C1668

R&D Services: Resistance to the Growth of Fungi ASTM C1338-00 Test Report # RD072713FR

R&D Services: Physical Properties Sheet Width, Length, Pliability, Water Vapor Permanence and Aged Water Vapor Permanence

R&D Services: Water Vapor Transmission Test ASTM-E96 (Dessicant Method)

Thermal Performance ASTM C335

Radiant heating in a concrete floor

Applications:

Under-slab insulation

Radiant heating in a snowmelt

Radiant heating with a subfloor

Duct wrap for below-grade HVAC

SAFETY INSTRUCTIONS

- Be sure to always verify local building codes before starting the Flexeal installation.
- Thoroughly examine the area you're insulating and make any necessary repairs. Replace any worn wiring before commencing the Flexeal installation.
- Always ensure that workspaces are well-ventilated and well-lit.
- Avoid working in areas with excessively high temperatures, such as attics.
- Remember to wear eye protection when using a staple gun.
- Exercise caution and employ common sense while operating a staple gun. Be aware of electrical wiring locations, as stapling into a wire can lead to severe shock or even death. Never staple into electrical wiring.
- Exercise extra caution when working with large pieces of Flexeal on windy days.
- On bright sunny days, it is recommended to wear sunglasses during the Flexeal installation.

Keeps consistent temperatures

Eliminates air leakage

Reduces Heating cost