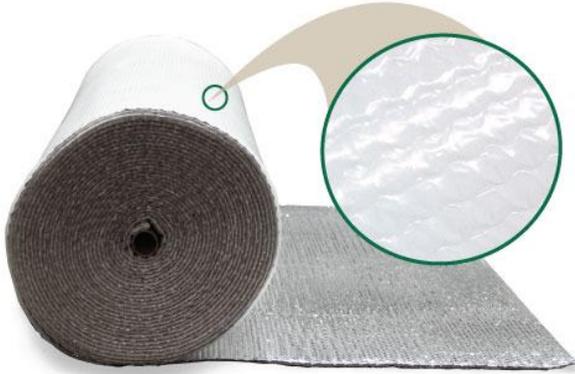




# Tempshield Single Bubble White/Foil®

## Reflective Insulation



*TempShield® Single Bubble White/Foil is our top-of-the-line Reflective Insulation, and is available in 300 and 500 Sq. Ft. Rolls, 4' and 6' standard width.*

TempShield® Brand Single Bubble White/Foil is one layer of 1/8" barrier bubble film laminated between one layer of metalized film and one layer of white polyethylene.

TempShield® Single Bubble White/Foil is designed to be used for commercial or metal buildings where aesthetics is of primary importance.



The purpose for installing TempShield® Single Bubble White/Foil in a concrete slab application is two-fold; first, it acts as a vapor retarder and second, it provides a thermal break. The thermal resistance of TempShield® product under concrete is based on testing done on a calibrated hotplate using ASTM 518 test procedures.

TempShield® Single Bubble White/Foil is ideal for hot water heater jackets, metal pipes and temperature-sensitive packaging applications.

## Key Benefits

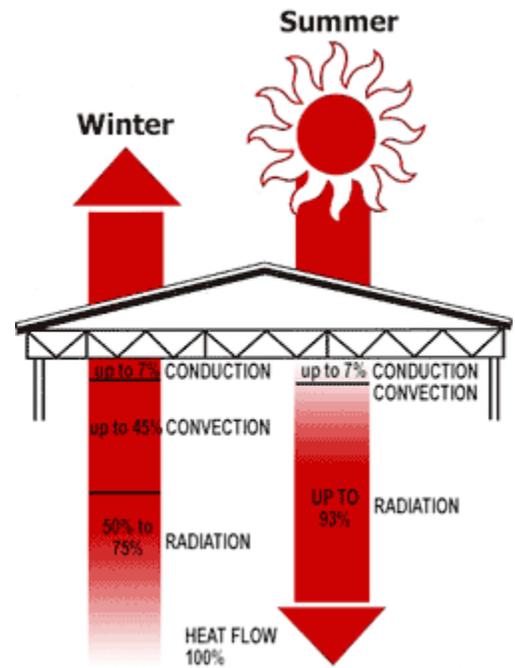
- Clean, Lightweight, Easy To Install
- White Appearance
- Saves Energy and Money

## How Radiant Heat Transfers Through Roofs

TempShield® is used as insulation against radiant heat transfer and can be used to its greatest advantage in instances where radiation is the predominant means of heat transfer. It is the bright aluminized film surface of all TempShield® products that gives it its insulating properties. This happens in two ways:

TempShield® is an excellent reflector of all long wave radiant heat that strikes it - reflecting up to 95% of all radiant heat.

TempShield® will reradiate only 5% of heat in which it comes in close physical contact, compared with the approximate 90% reradiation of ordinary building materials, at the same temperature.



## Product Specifications

<b>Product Description</b>	One layer of 1/8" barrier bubble film laminated between one layer of reflective metalized film and one layer of white polyethylene
<b>Contact Temperature Range</b>	-60°F to 180°F (-51°C to 82°C)
<b>Thickness</b>	1/8 inch nominal
<b>Water Vapor Transmission</b>	.02 perms ASTM E96
<b>Puncture Resistance</b>	60 lbs/in
<b>Pliability</b>	No Cracking
<b>Linear Shrinkage</b>	None
<b>Mold and Mildew</b>	No Growth
<b>Flame Spread</b>	0 ASTM E84-08
<b>Smoke Development</b>	20 ASTM E84-08
<b>Fire Rating</b>	Class A/Class 1