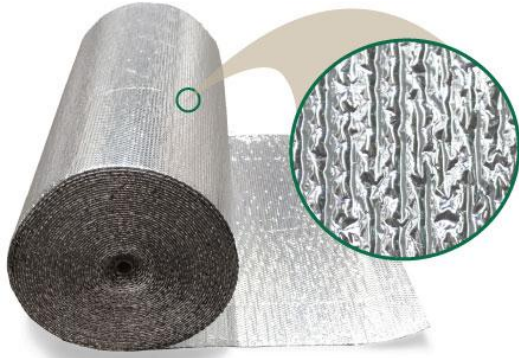




Tempshield Single Bubble Foil/Foil®

Reflective Insulation



TempShield® Single Bubble/Double Foil reflective insulation products are available in 300 and 500 Sq. Ft. Rolls. Standard widths are 4'. Wider widths of 4', 5', 8' and 10' are available by Special Order.

TempShield® Brand Single Bubble/Double Foil reflective insulation has one layer of 1/8" barrier bubble film laminated between two layers of metalized film.

TempShield® Single Bubble/Double Foil may be used as a wrap for hot water heaters, pipes, metal and commercial buildings, stud walls, roofing systems, basements and crawl spaces.



TempShield® Single Bubble/Double Foil may be used as a vapor retardant and when reflectivity and R-factors are required.

TempShield® Single Bubble/Double Foil can be stapled, glued or taped if necessary, depending on the installation involved.

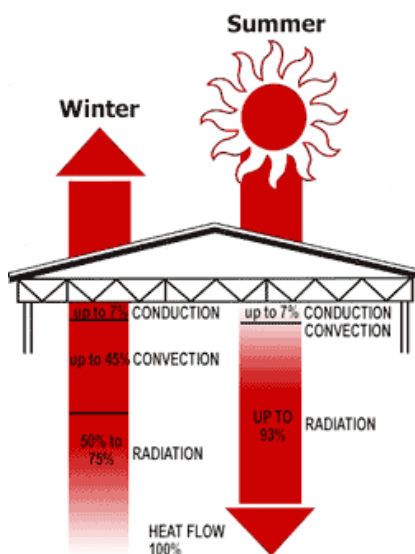


Key Benefits

- Clean, Lightweight, Easy to Install
- Class A / Class 1 Fire Rating
- Saves Energy and Money
- High Thermal R-Values (see Applications on left for specific R-value)

TempShield® Brand Single Bubble/Double Foil reflective insulation also offers these benefits:

- Non-toxic/Non-carcinogenic
- Installation requires no special tools or clothing
- Does not promote the growth of fungi or bacteria
- Provides no nest support for rodent or insect pests
- Meets fire and smoke safety requirements of most federal, state, and local building codes
- Requires no maintenance
- Puncture and tear resistant



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

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|----------------------------------|---|
| Product Description | One layer of 1/8" barrier bubble film laminated between two layers of reflective metalized film |
| Contact Temperature Range | -60°F to 180°F (-51°C to 82°C) |
| Thickness | 1/8 inch nominal |
| Water Vapor Transmission | .02 perms ASTM E96 |
| Puncture Resistance | 60 lbs/in |
| Pliability | No Cracking |
| Linear Shrinkage | None |
| Mold and Mildew | No Growth |
| Flame Spread | 0 ASTM E84-08 |
| Smoke Development | 25 ASTM E84-08 |
| Fire Rating | Class A/Class 1 |