



# Radiant Barrier

## SOLID REFLECTIVE FOIL

### SKUs:

EFM4800-48-125SOLID

EFM4800-48-250SOLID

### Application Summary:

pole barns, metal buildings, basement walls, crawl spaces, and storage units



### Contact Us

888.349.3645

customerservice@ecofoil.com

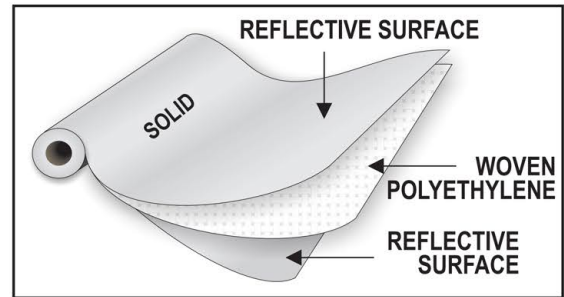


**SOLID RADIANT BARRIER**

**Product Description:**

EcoFoil® NT Radiant Barrier is a solid non-perforated sheet made up of a single layer of woven polyethylene bonded to (and sandwiched between) two highly reflective surfaces. NT helps reduce air conditioning costs in the summer while reducing heating costs in the winter.

In addition to energy savings, a radiant barrier can significantly enhance a home's level of comfort.



**Stock Sizes Available (Rolls):**

Size:	<b>48" x 125'</b>	<b>48" x 250'</b>
Part#:	EFM4800-48-125S	EFM4800-48-250S

**(SOLID product)**

**Features:**

- Made with 96% reflective radiant barriers
- Unrolls and cuts easily
- Durable and flexible polyethylene
- Insect and bird resistant
- Class 1 / Class A fire rating
- Non-toxic & Non-carcinogenic
- Increases existing insulation performance

**Applications:**

- Radiant Barrier

Physical Properties	Test	Value
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
EMISSION	ASTM C1371-04A	0.04
REFLECTIVITY	—	0.96
WATER VAPOR TRANSMISSION	ASTM E96-05	0.027 Perms
CORROSIVENESS	ASTM D3310-00	PASSES
BLEEDING and DELAMINATION	ASTM C1313-05	NO BLEEDING or DELAMINATION
PLIABILITY	ASTM C1313-05	NO CRACKING
GROWTH OF FUNGI	ASTM C1338-08	DOES NOT PROMOTE GROWTH
TENSILE STRENGTH	ASTM D2261	LENGTH: 27.34 lbs
		WIDTH: 16.31 lbs



## INSULATION TAPE

### Product Description:

EcoFoil® Insulation Tapes are available in four varieties: Aluminum, Aluminum Conductive, White Polyethylene and Metalized Foil. All EcoFoil tapes provide an excellent vapor barrier seal and are specifically designed for use with all EcoFoil® Insulation Products.

Acrylic pressure sensitive adhesive combines superior quick-stick at normal temperatures, with excellent low temperature performance below freezing.

These tapes can help maintain a complete seal in radiant barrier systems and are resistant to moisture, flame spread and smoke generation. High temperature resistance makes EcoFoil® tapes ideal for use in heat repelling application.



### Available Configurations:

EcoFoil® Adhesive Tapes are available with a metalized polyester, premium metalized polyester, aluminum, conductive aluminum, or a durable white poly surface. The acrylic adhesive was specially formulated for excellent performance at sub-freezing temperatures, without compromising ease of application.

### Features:

- Pressure-sensitive acrylic adhesive forms a bond that strengthens with time
- Maintain a continuous vapor barrier and constant insulator
- In exposed application, EcoFoil® tapes help create a seamless finish to interior walls and ceiling

## PRODUCT SPECIFICATIONS

Product Code Item Numbers and Sizes:	EF15073 3" x 180'	EF15113 3" x 150'	EF15513 3" x 150'	EF11702 2" x 54'	EF15853 3" x 150'
Physical Properties	STANDARD METALIZED FOIL	PREMIUM METALIZED FOIL	ALUMINUM FOIL	ALUMINUM CONDUCTIVE FOIL	WHITE POLY
THICKNESS	3.0 MILS (0.003")	3.2 MILS (0.0032")	2.8 MILS (0.0028")	3.0 +/- 0.1 mils	2.0 MILS (0.002")
PEEL ADHESION	30 oz. / in.	60 oz. / in.	46 oz. / in. width	25 oz/in (2.7 N/cm)	22.0 oz. / in.
BACKING	Polypropylene (BOPP)	Polypropylene (BOPP)	Aluminum Foil	Aluminum Shielding Effectiveness (69dB)	White Polypropylene (BOPP)
ELONGATION	130%	130%	4%	5%	—
TENSILE STRENGTH	20 lbs. / in.	20 lbs. / in.	15 lbs. / in.	14 lb/in (25 N/cm)	20 lbs. / in.
TEMPERATURE RESISTANCE	-40°C to 85°C	-40°C to 85°C	-40°C to 121°C	-40°C to 130°C	-30°C to 120°C
ADHESIVE	Acrylic	Acrylic	Acrylic	Electrically Conductive Acrylic	Acrylic
FIRE CLASSIFICATION	UL723	—	UL723	UL510	—

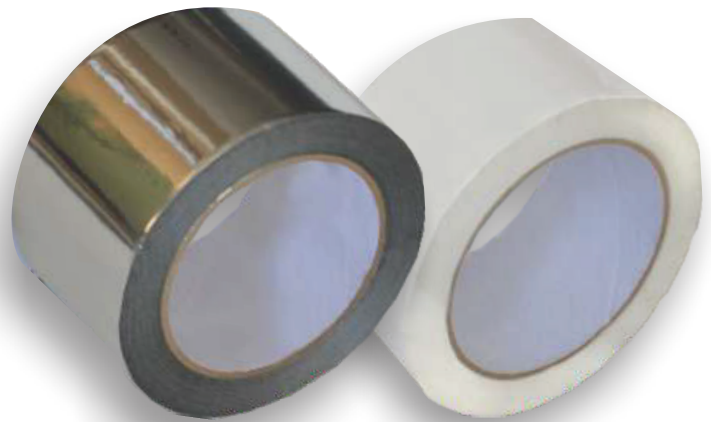


## INSULATION TAPE

### APPLICATION INSTRUCTIONS:

1. The surface to which the tape is to be applied must be free of oils, dust, and dirt. The surface must be cleaned with a dry cloth.

2. The release liner should then be removed 1-2 feet at a time (if applicable) and the adhesive face pressed firmly on the insulation facing. Care should be taken not to stretch the tape tightly as this will create buckles and voids in the contact area on both sides of the joint for the tape to bond. Uneven width distribution also puts additional shear stress on the smaller side of the butt joint.



3. The tape should then be wiped firmly from the center out (like wallpaper) with a plastic wiping tool (enclosed with a full carton). Note: To obtain a greater bond, apply more pressure to the tape surface.

4. Be sure to cut the end of the tape to the appropriate length.

### IMPORTANT INFORMATION

The information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for defined applications. User must determine the product for suitability for the end use application and assume all risks and liabilities.



# MSDS Sheets

## Contact Us

888.349.3645

[customerservice@ecofoil.com](mailto:customerservice@ecofoil.com)







# MATERIAL SAFETY DATA SHEET

## 1800S SERIES NT RADIANT BARRIER (SOLID)

Designed for (SCIF's) Sensitive Compartmental Information Facilities  
(Aluminum Foil / Woven Poly / Aluminum Foil)

March 2021

MATERIAL SAFETY DATA

### SECTION 1: PRODUCT IDENTIFICATION

NAME: rFOIL® 1800S SERIES NT RADIANT BARRIER (for SCIF's)  
DESCRIPTION: SOLD (NON-PERFORATED ALUMINUM RADIANT BARRIER FOR SCIF's)  
MANUFACTURER: COVERTECH FLEXIBLE PACKAGING INC.  
ADDRESS: 279 HUMBERLINE DRIVE ETOBICOKE, ONTARIO, CANADA M9W 5T6  
TELEPHONE: 800-837-8961 or 888-887-3645 FAX: 416-798-1342

### SECTION 2: HAZARDOUS INGREDIENTS

THESE PRODUCTS ARE NOT CONSIDERED TO BE HAZARDOUS, AND ARE NOT CLASSIFIED AS 'CONTROLLED PRODUCTS'. THEY ARE COMPRISED PRINCIPALLY OF POLYETHYLENE AND ALUMINUM FOIL THAT ARE NON HAZARDOUS.

### SECTION 3: PHYSICAL DATA

BOILING POINT: NOT APPLICABLE  
TEMPERATURE RANGE: -50°F TO 180°F  
WATER VAPOUR PERM: 0.01 PERMS  
APPEARANCE: FLEXIBLE SHEET  
ODOR: NONE



### SECTION 4: FIRE and EXPLOSION DATA

FLAME SPREAD: 0 (ASTM E84-10)  
SMOKE DEVELOPMENT: 20 (ASTM E84-10)  
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER OR FOAM  
USUAL FIRE HAZARDS: ALUMINUM FOIL MATERIALS ARE NOT HIGHLY FLAMMABLE, BUT IN CONTACT WITH FLAME THEY WILL MELT AND BURN.

### SECTION 5: REACTIVITY DATA

STABILITY: PRODUCTS ARE STABLE AND INERT TO MOST CHEMICALS. NONE CAUSE A VIOLENT REACTION.  
INCOMPATIBILITY: CONSULT WITH MANUFACTURER PRIOR TO USING AS A CONTAINMENT OR BARRIER FOR CHEMICALS OTHER THAN WATER.

### SECTION 6: HEALTH HAZARD DATA

INHALATION: NONE  
EYES & SKIN: NONE  
INGESTION: PRODUCTS SHOULD NOT BE EATEN OR KEPT IN CONTACT WITH FOOD

### SECTION 7: HEALTH HAZARD DATA

GENERALLY THE PRODUCTS REQUIRE NO SPECIAL PRECAUTIONS WHEN HANDLING. HOWEVER THE PRODUCTS MAY BECOME SLIPPERY WHEN WET, AND CARE SHOULD BE TAKEN WHEN WALKING ON THIS.

NOTE: THE INFORMATION CONTAINED IN THIS SHEET IS DISCLOSED IN GOOD FAITH AND IS PROVIDED TO THE BEST KNOWLEDGE OF THE MANUFACTURER. NEVERTHELESS IT IS NOT A WARRANTY AND COVERTECH FLEXIBLE PACKAGING INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED FROM THE USE OR INABILITY TO USE THE PRODUCT.



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Email: sales@rfoil.com Website: www.rfoil.com

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This Regulatory Data Sheet is provided as a courtesy in response to a customer request.

<b>Document Group:</b>	32-2504-2	<b>Version Number:</b>	16.00
<b>Issue Date:</b>	01/25/24	<b>Supersedes Date:</b>	06/27/23

## Venture® Polypropylene Tape 1507 Black

3M  
Industrial Adhesives and Tapes Division  
3M Center, St. Paul, MN 55144-1000, USA  
1-888-3M HELPS (1-888-364-3577)

RDSs are available at [www.3M.com](http://www.3M.com)

### Regulations and Industry Standards

#### SDS (US OSHA)

This product is an article and therefore is not subject to the requirements of the US Occupational Safety and Health Administration's (OSHA) Hazardous Communications Standard 29 CFR 1910.1200(b)(6)(v) to provide a Safety Data Sheet (SDS).

#### CONEG

This product complies with the US CONEG (Coalition of Northeastern Governors) Model Toxics in Packaging Legislation as there is no intentionally added lead, cadmium, hexavalent chromium or mercury, and the sum total concentration of these substances in the product does not exceed 100 ppm by weight.

#### Conflict Minerals

Conflict Minerals, which the U.S. Securities and Exchange Commission ("SEC") has defined as gold, columbite-tantalite (coltan), cassiterite, wolframite, or their derivatives (tin, tantalum, or tungsten), are not contained in or are not "necessary to the functionality or necessary to the production" of the above-listed product, as the term "necessary to the functionality or the production" is defined under the SEC's Conflict Minerals Rule. 77 Fed. Reg. 56274 (Sept. 12, 2012).

#### EU REACH

This product is an article, without intended release of a chemical substance, under the Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (refer to REACH, Article 3(3)). It is not a chemical preparation. Therefore, it is not subject to the (pre)-registration or the registration process. It does not require a safety data sheet.

#### EU REACH

This product, including any article that the product is composed of, does not contain at greater than 0.1% by weight a Substance of Very High Concern (SVHC) substance identified according to Article 59 of REACH. This declaration reflects the substances on the candidate SVHC list, effective January 2024.

#### EU RoHS

This product does not exceed the maximum concentration values (MCVs) set under EU Directive 2011/65/EU (RoHS recast/RoHS 2), as stated in Annex II to that directive. This means that each of the homogenous materials within this product

does not exceed the following MCVs: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; and (b) 0.01% (by weight) for cadmium.

#### EU RoHS Phthalates

This product does not exceed the maximum concentration values (MCVs) for phthalates set under EU Directive 2011/65/EU (RoHS recast/RoHS 2), as amended by EU 2015/863, which applies to finished EEE after July 22, 2019 for Category 1-7, 10-11 products and after July 22, 2021 for Category 8 and 9 products. This means that each of the homogeneous materials within this product does not exceed the MCV of 0.1% (by weight) for each of the following phthalates: DEHP, BBP, DBP, and DIBP.

#### Fluorinated Greenhouse Gas

A Fluorinated Greenhouse Gas (or F-Gas) listed under Annex I and II of Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 is not intentionally added to the product.

#### Halogens – IEC 61249-2-21

This product meets the non-halogenated permissible limits of the International Electrotechnical Commission (IEC) 61249-2-21 standard as having less than 900 ppm bromine, less than 900 ppm chlorine, and less than 1500 ppm total bromine and chlorine.

#### Living Building Challenge<sup>SM</sup> 4.0 Red List

Living Building Challenge<sup>SM</sup> 4.0 Red List substances are not intentionally added to this product.

#### Sustainability Advantage: Recycled content

This product does not contain recycled content.

#### TSCA Section 6

This product is not known to contain 2,4,6-Tri-tert-butylphenol (CAS 732-26-3).

#### TSCA Section 6

This product is not known to contain Decabromodiphenyl Ether (Deca-BDE) (CAS 1163-19-5).

#### TSCA Section 6

This product is not known to contain Hexachlorobutadiene (HCB) (CAS 87-68-3).

#### TSCA Section 6

This product is not known to contain Pentachlorothiophenol (PCTP) (CAS 133-49-3).

#### TSCA Section 6

This product is not known to contain Phenol, isopropylated phosphate (3:1) (PIP (3:1)) (CAS 68937-41-7).

## Chemicals and/or Compounds of Interest

**Asbestos** : Not known to contain.

## Per- and Polyfluoroalkyl Substances (PFAS)

PFAS refers to a broad range of thousands of materials with varying properties and characteristics, which may include high resistance to oil, water, temperature, chemicals, and fire, which makes certain PFAS critical to the functioning of many modern products.

**Per- and polyfluoroalkyl substances (PFAS)** : Not intentionally added.

**Perfluorohexane sulfonate (PFHxS)** : Not intentionally added.

**Perfluorohexanoic acid (PFHxA) (CAS 307-24-4)** : Not intentionally added.

**Perfluorooctanesulfonic Acid (PFOS) (CAS 1763-23-1)** : Not intentionally added.

**Perfluorooctanoic Acid (PFOA) (CAS 335-67-1)** : Not intentionally added.

## Definitions

*Note: all Definitions take Disclaimers into account and apply to the “Chemicals and/or Compounds of Interest” and/or “Per and poly-fluoroalkyl Substances (PFAS)” sections only*

Terms	Definitions
Contains*	Present based on composition information disclosed by 3M suppliers, analytical testing, or both.
Not known to contain*	1. Analytical measurement for presence is not currently available; 2. If measurement is possible,



	<ul style="list-style-type: none"> <li>a) The material has not been identified or disclosed to 3M and</li> <li>b) The material has not been specifically quantified or detected; OR</li> <li>c) Based on information from raw material suppliers, possible presence as an impurity or by-product at or below regulatory thresholds (e.g., 0.1 or 0.01 %)</li> </ul>
Intentionally added**	Desired in the final product to provide a specific characteristic, appearance, or quality and/or to perform a specific function.
Not intentionally added**	By-product(s), impurity(ies) and/or unintended artifact(s) resulting from the formulation and/or manufacture of a material.
By-product***	A chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance or mixture.
Impurity***	A chemical substance which is unintentionally present with another chemical substance (e.g., residuals, catalysts, process solvents).

*\*Terms apply to the Chemicals and/or Compounds of Interest Section only (if section is present)*

*\*\*Terms apply to the PFAS Section only (if section is present)*

*\*\*\*Terms apply to both the Chemicals and/or Compounds of Interest and PFAS Sections (if section(s) are present)*

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# Brochure

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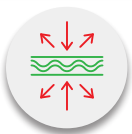
BEST SELLER!

# Radiant Barrier Reflective Foil

AVAILABLE IN SOLID & PERFORATED

## Keeps buildings warmer in winter and cooler in summer

Radiant barrier foil insulation reflects 96% of radiant heat back to its source, keeping heat *in* during winter and *out* during summer. Made from a durable, metalized coating around a polyethylene scrim, it can't be ripped or torn by hand. It works wonders in a variety of applications and climate zones—promoting energy savings year-round.



Reflects 96% of radiant heat when properly installed\*



Thin, lightweight, & easy to handle



Reduce your energy bills



Installs quickly & easily



FREE Shipping, no minimum order quantities



Unbeatable service

*\*Note: for proper installation and maximum effectiveness, make sure to provide an air space on at least one side of the product.*



**SOLID**

For walls, roofs, crawl spaces, garages, saunas, & more



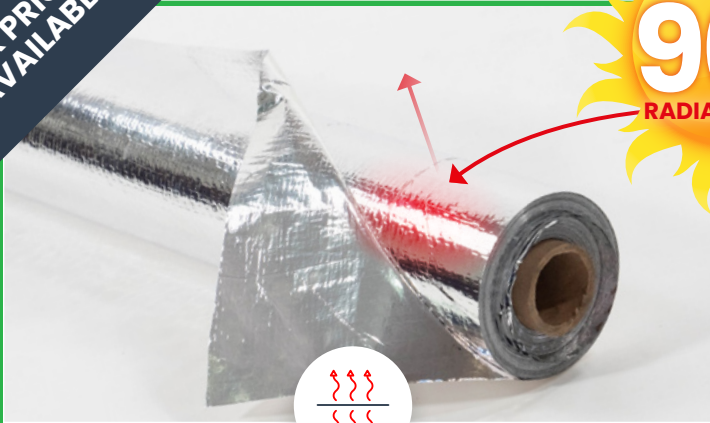
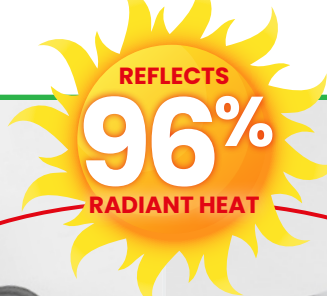
**PERFORATED**

For attics, on top of trusses and/or under rafters





**BULK PRICING  
AVAILABLE**



Both types available in 500 or 1,000 sq. ft. rolls.

### Solid Radiant Barrier FOR UNVENTILATED SPACES

- **VERSATILE:** Install under floors, in crawl spaces, garages, roofs, and more to reflect heat back to its source
- **VAPOR BARRIER:** Seal seams with tape to maintain a vapor barrier, preventing passage of air and moisture
- **INSTALLS EASILY:** Use a staple gun or spray adhesive to secure in place
- **SAFE:** Non-Toxic / Non-Carcinogenic. No mineral fiber or fiberglass core... *No itch!*
- **THIN, YET EFFECTIVE:** 5mil thick (or 5/1,000 of an inch)

Tape recommended with Solid Radiant Barrier



- 3"x 180' Metalized Tape**
- Seal all seams to create a vapor barrier
  - Durable, easy to work with

### Perforated Radiant Barrier FOR ATTICS & VENTILATED SPACES

- **WARM CLIMATES:** Apply under trusses/rafters to reflect outdoor heat away from the building
- **COLD CLIMATES:** Apply on top of attic floor to reflect heat back into the building
- **BREATHABLE:** Tiny holes promote air movement, preventing buildup of moisture/mold
- **INSTALLS EASILY:** No tape needed. Use a staple gun to secure in place
- **SAFE:** Non-Toxic / Non-Carcinogenic. No mineral fiber or fiberglass core... *No itch!*
- **THIN, YET EFFECTIVE:** 5mil thick (or 5/1,000 of an inch)

Tape not recommended with Perforated Radiant Barrier

**Scan code to learn more** ▶



## About EcoFoil

EcoFoil is an Iowa-based, employee-owned, award-winning company that prides itself on hard work and customer service. Contact us today to learn more about our line of energy-saving products.



888.349.3645  
sales@ecofoil.com  
EcoFoil.com







# **Radiant Barrier**

## **SOLID REFLECTIVE FOIL**

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