



Double Bubble

REFLECTIVE INSULATION

SKUs:

EF2220-48-125, EF2520-48-125, EF2220-72-125, EF2520-72-125, EF2220-24-025, EF2520-24-025, EF2520-48-025, EF2220-48-025, EF15073, EF15853

Application Summary:

pole barns, metal buildings, basement walls, crawl spaces, and storage units located in moderate and colder climates



Contact Us

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customerservice@ecofoil.com



Technical Data Sheets

Contact Us

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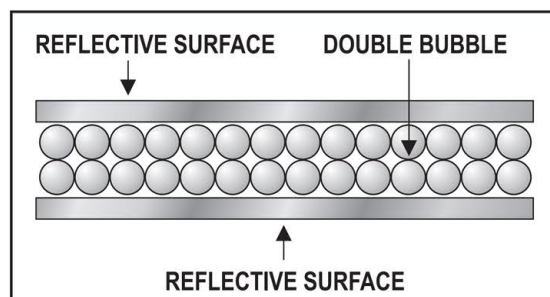


DOUBLE BUBBLE INSULATION - FOIL/FOIL

Product Description:

EcoFoil® Reflective Insulation is a double layer of polyethylene bubbles, sandwiched between two highly reflective surfaces. This product has been specifically designed for insulating commercial and residential building assemblies, reducing the amount of radiant heat transfer.

Adding EcoFoil® Reflective Bubble Insulation to your construction project improves the insulation value of the building envelope and significantly increases its energy efficiency. All products in this line are classified as Class 1 / Class A in accordance with the ASTM-E84-09 fire test standard. The product was mounted in accordance to ASTM-E2599-08



Stock Sizes Available (Rolls):

Size:	48" x 75'	48" x 125'	72" x 125'
Part#:	EF2220-48-075	EF2220-48-125	EF2220-72-125

Features:

- Class 1 / Class A Fire Rating
- Unaffected by moisture & controls condensation
- Double bubble provides an effective thermal break
- 96% Reflectivity for optimal thermal performance
- Radiant barrier and vapor barrier all-in-one
- Available in Square Edge or Tab Two format

Applications:

- Crawlspace
- Basement Insulation
- Residential Insulation
- Cathedral Ceiling

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
	CAN/ULC-S102-10	FLAME SPREAD = 0 / SMOKE DEVELOPED = 10
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.02 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH
PLIABILITY	ASTM C1224-03	NO CRACKING
BLEEDING AND DELAMINATION	ASTM C1224-03	NO BLEEDING OR DELAMINATION
CORROSIVENESS	ASTM D3310-00	PASSES

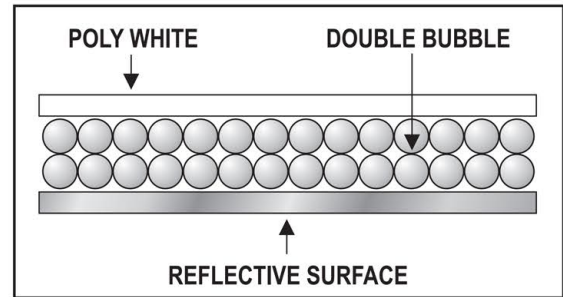


DOUBLE BUBBLE INSULATION - FOIL/WHITE

Product Description:

EcoFoil® Reflective Bubble Insulation is a double layer of polyethylene bubbles, sandwiched between a highly reflective surface and a white polyethylene sheet. It is ideal for many residential and commercial building applications, including walls and ceilings.

Adding EcoFoil® Reflective Bubble Insulation to your construction project improves the insulation value of the building envelope and significantly increases its energy efficiency. As well, all products in this line are classified as Class 1 / Class A in accordance with the ASTM-E84-09 fire test standard. The product was mounted in accordance to ASTM-E2599-08.



Stock Sizes Available (Rolls):

Size:	48" x 75'	48" x 125'	72" x 125'
Part#:	EF2520-48-075	EF2520-48-125	EF2520-72-125

Features:

- UV (Ultra Violet) Resistant Facing
- 96% Reflectivity for optimal thermal performance
- Neat, washable white polyethylene surface / UV Protected
- Available in Square Edge, Quick-Seam or Tab Two
- Class 1 / Class A Fire Rating
- Radiant and vapor barrier all-in-one
- Double bubble provides an effective thermal break

Applications:

- Metal Buildings (roof, walls)
- Residential Wall Cavities
- Post Frame Buildings

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
FIRE RATING	ASTM E84-09/ASTM E2599-08	CLASS 1 / CLASS A
EMISSION	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.42 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH
PLIABILITY	ASTM C1224-03	NO CRACKING
BLEEDING AND DELAMINATION	ASTM C1224-03	NO BLEEDING OR DELAMINATION
CORROSIVENESS	ASTM D3310-00	PASSES
UV TESTING	ASTM G155	90+% RETAINED RETENTION after 4000 hrs
FIRE RATING - FULL ROOM BURN	NFPA286	PASSES



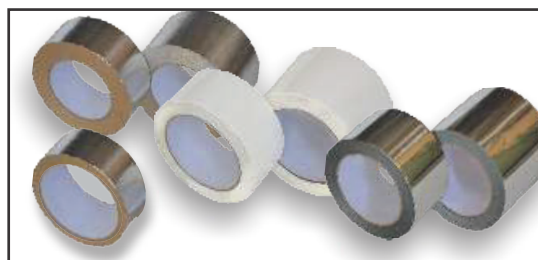
INSULATION TAPE

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

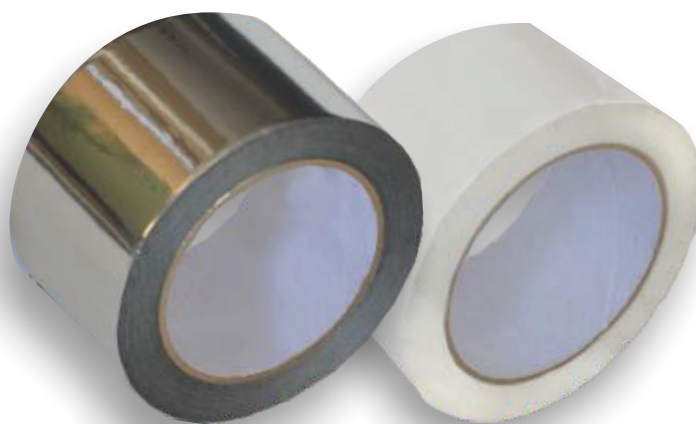
Product Code Item Numbers and Sizes:	EF15073 3" x 180'	EF15113 3" x 150'	EF15513 3" x 150'	EF11702 2" x 54'	EF15853 3" x 150'
Physical Properties	STANDARD METALIZED FOIL	PREMIUM METALIZED FOIL	ALUMINUM FOIL	ALUMINUM CONDUCTIVE FOIL	WHITE POLY
THICKNESS	3.0 MILS (0.003")	3.2 MILS (0.0032")	2.8 MILS (0.0028")	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

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MATERIAL SAFETY DATA SHEET

2220 SERIES REFLECTIVE INSULATION
(Metalized Film / Double Bubble / Metalized Film)

March 2021

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SECTION 1: PRODUCT IDENTIFICATION

NAME: rFOIL® 2220 SERIES REFLECTIVE INSULATION
DESCRIPTION: REFLECTIVE INSULATION (DOUBLE LAYER BUBBLE)
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 METALIZED FILM THAT ARE NON HAZARDOUS.

SECTION 3: PHYSICAL DATA

BOILING POINT: NOT APPLICABLE
TEMPERATURE RANGE: -50°F TO 180°F
WATER VAPOUR PERM: 0.02 PERMS
APPEARANCE: FLEXIBLE SHEET
ODOR: NONE



SECTION 4: FIRE and EXPLOSION DATA

FLAME SPREAD: 0 (ASTM E84-08) / 0 (CAN/ULC-S102-10)
SMOKE DEVELOPMENT: 20 (ASTM E84-08) / 10 (CAN/ULC-S102-10)
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER OR FOAM
USUAL FIRE HAZARDS: METALIZED FILM 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.



279 Humberline Drive Etobicoke, ON M9W 5T6
Toll Free: 1-800-837-8961 Local: 416-798-1340
Email: sales@rfoil.com Website: www.rfoil.com

Published: April 15, 2022





MATERIAL SAFETY DATA SHEET

2520 SERIES REFLECTIVE INSULATION

White Poly / Double Bubble / Metalized Film)

March 2021

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SECTION 1: PRODUCT IDENTIFICATION

NAME: rFOIL® 2520 SERIES REFLECTIVE INSULATION
DESCRIPTION: REFLECTIVE INSULATION (DOUBLE LAYER BUBBLE)
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 METALIZED FILM THAT ARE NON HAZARDOUS.

SECTION 3: PHYSICAL DATA

BOILING POINT: NOT APPLICABLE
TEMPERATURE RANGE: -50°F TO 180°F
WATER VAPOUR PERM: 0.12 PERMS
APPEARANCE: FLEXIBLE SHEET
ODOR: NONE



SECTION 4: FIRE and EXPLOSION DATA

FLAME SPREAD: 0 (ASTM E84-08)
SMOKE DEVELOPMENT: 15 (ASTM E84-08)
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER OR FOAM
USUAL FIRE HAZARDS: METALIZED FILM 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.

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Regulatory Data Sheet

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

Document Group: 32-2504-2
Issue Date: 01/25/24

Version Number: 16.00
Supersedes Date: 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

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 ChallengeSM 4.0 Red List

Living Building ChallengeSM 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 (HCBd) (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,

	a) The material has not been identified or disclosed to 3M and b) The material has not been specifically quantified or detected; OR 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 %)
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)*

Disclaimers: The information provided in this document related to material content represents 3M's knowledge and belief, which may be based in whole or in part on information provided by suppliers to 3M. This is intended to answer commonly asked questions about 3M products and is not intended to be a comprehensive listing of all substances that may be of interest or that may be regulated in this or other 3M products, nor is it intended to be a comprehensive summary of any and all regulations that may apply to this product. Where substances are listed, their listing does not infer or constitute a judgment as to their safety, environmental or health impacts. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. Customers are encouraged to consult with legal and regulatory experts to determine applicable regulations in light of intended use of the product.

Limitation of Remedies and Liability: In the event any Product is proven not to conform with the information in this document, then to the extent permitted by law, 3M's entire liability and Buyer's exclusive remedy, will be at 3M's option either: (i) replacement of Product with a conforming product, or (ii) refund of the purchase price paid by Buyer for each non-conforming Product, within a reasonable time after written notification of said non-conformance and return of said Product to 3M. 3M shall not under any circumstances be liable for direct, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the Product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.

Company: ECHOtape 1-800-461-8273	Date: October, 2018
SECTION 1: IDENTIFICATION	
Product Name	PE-M4520, PE-M4530, PE-M4531, PE-M4535, PE-M4538
Product Use	Bonding a variety of substrates
SECTION 2: HAZARDS IDENTIFICATION	
Products should not represent a health or safety hazard under recommended or normal use. However misuse of these products may affect performance and present a potential health or safety hazard	
Hazard Designation	None Applicable
Information pertaining to particular dangers for man and environment	None Applicable
Classification system	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
Additional Information	The product evidently does not contain any organically bonded halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS	
Backing	Polyester
Adhesive	Acrylic solvent
Liner	N/A
SECTION 4: FIRST AID MEASURES	
General Information	No special measures required
Eye(s)	No need for first aid is anticipated
Skin contact	No need for first aid is anticipated
Ingestion	No need for first aid is anticipated
Inhalation	No need for first aid is anticipated
SECTION 5: FIRE HAZARDS	
Flash Point	Not applicable
Suitable Extinguishing Agents	CO ₂ gas, sand/earth, regular foam, water
Special Hazards caused by Materials, its products of combustion or flue gases	Nitrogen oxides (NO _x) Carbon monoxide
Protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Additional information	None

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Person-related safety precautions	Not required
Measures for environmental protection	No special measures required
Measures for cleaning / collecting	Collect mechanically
Additional information	No dangerous materials are released
SECTION 7: HANDLING AND STORAGE	
Information for safe handling	No special measures required
Information about protection against explosions and fires	No special measures required
Requirements to be met by storerooms and containers	No special requirements
Information about storage in one common storage facility	Not required
Further information about storage conditions	None
Storage class according to regulation on inflammable liquids	None
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION	
Additional information about design of technical systems	No further data, see item 6
Components with critical values that require monitoring at the workplace	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information	The lists that were valid during the compilation were used as a basis
General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals
Breathing Equipment	Not required
Eye Protection	Not required
Protections for hands	Not required
Body Protection	Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Form	Solid material
Colour	Colourless
Smell	Odourless
Melting Point / Melting Range	Not determined
Boiling Point / Boiling Range	Not determined
Flash Point	Not applicable
In flammability (solid, gaseous)	Not applicable
Ignition Temperature	Not determined
Self-In flammability	Product is not self igniting
Danger of Explosion	Product is not explosive
Density	Not determined
Solubility in / Miscibility with water	Insoluble
Organic Solvents	<1%
Solids Content	100%
SECTION 10: STABILITY AND REACTIVITY	
Thermal decomposition / Conditions to be avoided	No decomposition if used accordingly
Dangerous Reactions	No dangerous reactions known
Dangerous products of decomposition	No dangerous decomposition products known
SECTION 11: TOXICOLOGICAL INFORMATION	
Primary irritant on skin	No irritant effect
Primary irritant on eyes	No irritant effect
Sensitization	No sensitizing effect known
Additional Toxicological Information	This product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided us.
SECTION 12: ECOLOGICAL INFORMATION	
General Notes	Water hazard class 0 (self-assessment): generally not hazardous for water

SECTION 13: DISPOSAL CONSIDERATIONS	
Product Recommendation	Smaller quantities can be disposed with household garbage
Unclean Packaging Recommendation	Disposal must be made according to official regulations
SECTION 14: TRANSPORT INFORMATION	
Transport / Additional Information	Not Dangerous according to the above specifications
SECTION 15: REGULATORY INFORMATION	
Designation according to EC guidelines	Observe the normal safety regulations when handling chemicals. The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV)
SECTION 16: OTHER INFORMATION	
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.	

BEST SELLER!

Bubble Foil Insulation

Reflect radiant heat while controlling buildup condensation & moisture

Single and Double Bubble Insulation helps keep buildings warmer in winter and cooler in summer by reflecting radiant heat back to its source. Strategically placed air gaps help prevent buildup of condensation—a common problem in metal buildings, especially in colder climates.

SINGLE/DOUBLE BUBBLE FOIL INSULATION:



Reflects up to 96%
of radiant heat



Lightweight &
easy to handle



Protects against
condensation buildup



Installs quickly
& easily



FREE Shipping,
no minimum order
quantities



Unbeatable
service

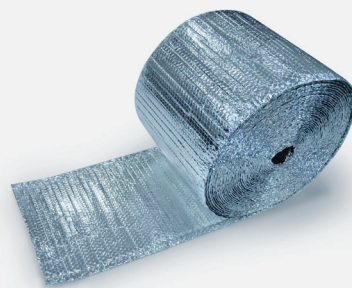


Walls, Ceilings,
Crawl Spaces,
Metal Buildings,
more



Between Joists,
and/or Under Radiant
Floor Systems

**BULK PRICING
AVAILABLE**



Single Bubble

MODERATE CLIMATES

- One layer of bubbles provide thermal break, reducing buildup of condensation
- Choose white/foil or foil/foil
- Available in 4' & 6' rolls

Double Bubble

COLDER CLIMATES

- Two layers of bubbles for extra protection against condensation
- Choose white/foil or foil/foil
- Available in 4' & 6' rolls

Between Joist

PRE-CUT DOUBLE BUBBLE

- Two layers of bubbles for extra protection against condensation
- Staple tabs for easy, convenient installations
- Works great under radiant floors
- Choose 16" or 24" width

BUBBLE FOIL INSULATION FEATURES:

- **REFLECTS 96% RADIANT HEAT**—keeps buildings warmer in the winter and cooler in the summer
- **CONTROLS CONDENSATION**—single/double bubble layers provide thermal break between hot/cold temperatures
- **VERSATILE**—installs easily in new and existing construction projects
- **VAPOR BARRIER**—approved vapor barrier protection when seams are sealed with tape
- **SAVES ENERGY**—Improves HVAC system efficiency
- **TRUSTED**—Used in many climates for residential and commercial applications
- **EASY TO INSTALL**—Lightweight and easy to work with
- **SAFE**—Non-Toxic / Non-Carcinogenic. No mineral fiber or fiberglass core... *No itch!*
- **FREE SHIPPING**—Ships fast and free with no minimum order quantities



Tape recommended

- Seal all seams to create a vapor barrier
- Available in white or silver (metalized)
- Tough and durable, easy to work with

**Scan the 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. We're proud to partner with Koala franchisees and will work with you to explore your options. Contact us today to learn more about our line of energy-saving products.



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Double Bubble

REFLECTIVE INSULATION

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