



MICROFOIL

REFLECTIVE INSULATION AND RADIANT BARRIER

Product Description

MicroFoil is a clean, non-toxic, easy to install, self-taping reflective foil insulation and vapor barrier that provides increased comfort, energy efficiency, and lower heating and cooling costs. It dramatically reduces heat gain and heat loss in your structure by reflecting the radiant energy! To make installation fast and easy, every roll of MicroFoil has a patented self-taping flange running along one edge eliminating the need and the extra cost of seaming tape. In addition, MicroFoil does not contain hazardous chemicals or materials that can cause itching or allergic reactions and all that is needed to install is a utility knife and staple gun.

Features & Benefits

REFLECTS HEAT

MicroFoil effectively reflects radiant energy as opposed to absorbing and dissipating it as with mass based insulation. This reflectivity works both ways: radiating summer heat outward and retaining winter heat inward. Incorporating an air space on both sides of MicroFoil allows for optimum heat-reflecting insulation value.

HIGH QUALITY CONSTRUCTION

The product core is made of a unique 1/4" thick multi-ply, flexible polypropylene creating a lighter and easier to handle product that is waterproof and will not lose its air pockets over time. In addition, each roll comes with a pure aluminum foil facing on one side with your choice of a reinforced reflective aluminum or a reinforced white-foil facing on the exposed side.

DURABLE FACING MATERIALS

MicroFoil is made with high quality reinforced aluminum foil film or a finished white reinforced polypropylene aluminum foil film capable of resisting most chemicals. Choose the white-foil finish when a clean washable interior finish is needed and to give your structure a brighter look. In addition, the reinforced fiberglass scrim incorporated into the facings provides an extra tough barrier against bird or rodent damage.

CONDENSATION CONTROL

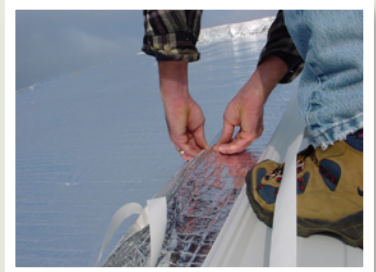
When properly installed, MicroFoil is an excellent thermal insulation and vapor barrier, greatly reducing the occurrence of condensation buildup in your building. With correct ventilation behind MicroFoil, condensation is practically eliminated.

SIMPLE, SAFE INSTALLATION (Self-Taping Seam)

MicroFoil's patented self-taping seams make installation fast and efficient along with making the inside of your structure look seamless without the additional cost of patching tape. MicroFoil is produced in lightweight, flexible rolls making installation fast and efficient in any application from Post Frame construction to Metal Buildings.



Flexible lightweight rolls



Patented self-taping seams

Applications

- Post Frame
- Metal Frame
- Workshops
- Self Storage
- Metal Roof

Size

- 6' x 75'
- 4' x 125'
- 24" x 125'
- 16" x 125'
- Custom Widths and Lengths

Facings

- Foil with fiberglass scrim
- White Foil with fiberglass scrim

Technical Data

Product Composition

Core - 1/4" Thick multi-ply, moisture-proof polypropylene

Face - Aluminum foil with fiberglass scrim reinforcement

- White Aluminum foil with fiberglass scrim reinforcement

Weight for this product is .86 ounce per square foot.

Surface Emissivity

.03

Flame Spread / Smoke Spread – ASTM E84

Class A/Class 1

- Foil Scrim Exposed

15/35

- Foil White Exposed

25/100

Puncture Resistance – psi, ASTM D 3420

90

Tear – lbs., ASTM D 1922

1.9 - 2.8

Water Vapor Transmission - grains/hr sqft, ASTM E96

.005

Water Absorption lbs/sqft, FTMS 101B Method 4035

.0003

Fungus Resistance, mold growth - Mil E 8261A

None

Usable Temperature – deg F

-150 to +280

Note: MicroFoil insulation will combust. The Class A / Class 1 fire rating in no way indicates an approval to use MicroFoil alone or in conjunction with other materials to obtain a rated burn time for a wall or partition.

System Thermal Insulation R-Value

Test Method

ASTM C236 & C1224

Reflectivity

97%

Downward

14.0

Horizontal

7.4

Upward

5.0

The table represents system R-Values and were tested as part of a 3.5" air cavity with sheet metal on one side and the reflective foil exposed on the other.

Read This Before You Buy: The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend on climate, the type and size of your house, the amount of insulation already in your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel. To get the marked R-value, it is essential that this insulation be installed properly.



Durable construction



Installs with staple gun



Residential retrofit



Finished white interior



123 South Shoop Avenue, Wauseon, OH 43567
 800.339.4850 419.335.4850 F:419.335.2380
 www.nofp.com www.thebarrier.com

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