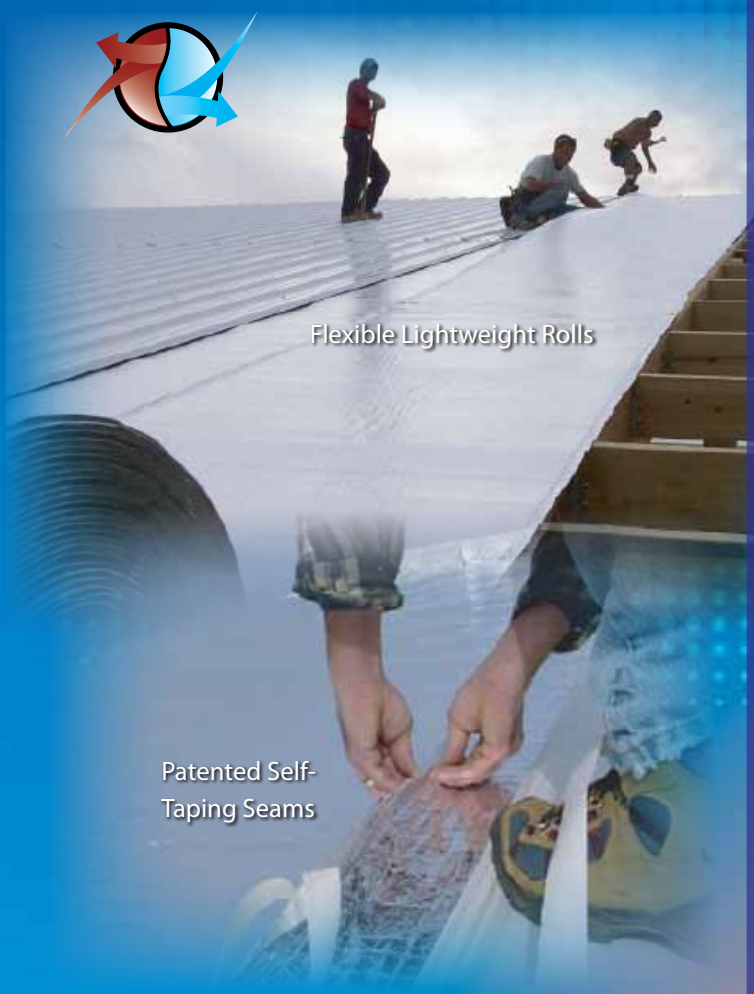
MICROFOIL

REFLECTIVE FOIL INSULATION & VAPOR BARRIER



PRODUCT DESCRIPTION

MicroFoil™ is a clean, non-toxic, self-taping reflective foil insulation and vapor barrier that provides increased comfort, energy efficiency, and a clean finished appearance. MicroFoil reduces heat gain and loss by reflecting radiant energy, the predominant form of heat transfer.

MicroFoil does not contain hazardous chemicals or materials that can cause itching or allergic reactions. It is made from a proprietary blend of high-purity aluminum foil incorporating a moisture-proof ¼" thick multi-ply core.

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. All that is needed to install is a utility knife, staple gun, and eye protection.

FEATURES & BENEFITS

- Proprietary Blend of high-purity aluminum foil reflects radiant heat from the sun in the summer, while also retaining heat in winter months.
- Superior Product Engineering creates a lighter, more durable product that is waterproof and easy to handle.
- Self-Tape Design makes your structure look seamless and more attractive. Choose from white or traditional foil facings on the interior side.
- Reinforced Fiberglass Scrim in facings provides extra toughness against bird/rodent damage.
- Patented Self-Taping Seam makes installation easy and cost-effective since there is no need for additional tape.
- Light Flexible Rolls make installation faster, safer and more efficient. Only standard safety equipment is required.
- Durable Construction ensures long-lasting toughness that is capable of resisting abuse in the most demanding building applications.

PRODUCT USE

MicroFoil is unique in that its lightweight high-performance design does not sacrifice thermal performance. Every roll is designed to reflect radiant energy as opposed to absorbing and dissipating it as do most other insulation products. MicroFoil can also make mass based insulation more thermally efficient by reducing the radiant energy gain and improve the overall system performance.

When installed with adjacent airspaces, the optimum heat reflecting insulation value can be achieved. Additionally, MicroFoil can virtually eliminate condensation from forming in your building and acts as a durable, cost-effective vapor barrier.

Installing MicroFoil can enhance your building's energy efficiency; thereby, increasing your comfort while also providing a cleaner and attractive finished appearance.

APPLICATIONS

- Post Frame
- Metal Frame
- Workshops
- Self Storage
- Metal Roofs

ROLL SIZES

- 6' x 75' (450 sqft)
- 4' x 125' (500 sqft)
- 24" x 125' (2 rolls / 500 sqft)
- 18" x 125' (2 rolls / 375 sqft)
- 16" x 125' (3 rolls / 500 sqft)
- 12" x 125' (4 rolls / 500 sqft)
- Custom Widths and Lengths

FACING OPTIONS

- Foil with scrim reinforcement
- White foil with scrim reinforcement
- Foil no scrim
- Custom facing available

NOFP
High Performance Insulation

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PRODUCT SPECIFICATIONS

Composition

Core	
- 1/4" Thick multi-ply, moisture-proof polypropylene	
Face	
- White Aluminum foil with fiberglass scrim reinforcement	
- Aluminum Foil no scrim	
- Aluminum foil with fiberglass scrim reinforcement	
Surface Emissivity	.03
Flame Spread / Smoke Spread – ASTM E84	
- 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

Warning: MicroFoil products have been ASTM fire tested. It is not recommended that MicroFoil be exposed to possible ignition sources or open flame of significant intensity during shipping, storage or installation. Caution: Aluminum foil conducts electricity. Care should be taken around electrical sources and overhead power lines.

SYSTEM THERMAL INSULATION R-VALUE

Test Method	ASTM C236 & C1224
Reflectivity	Up to 97%
Downward	14.0
Horizontal	7.4
Upward 5.0	

System R-Values were tested as part of a 3.5" air cavity with sheet metal on one side and the reflective foil exposed on the other. The R-Value of reflective foil insulation is application specific. Please contact your NOFP representative for a complete table of System R-Values based on your installation method.

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 where you live. Also, your fuel savings from insulation will depend on climate, the type and size of your structure, the amount of insulation already in your structure, and your fuel use patterns and occupancy. If you buy too much insulation, it will cost you more than you'll save on fuel. System R-Values were tested as part of a 3.5" air cavity with sheet metal on one side and the reflective foil exposed on the other. The R-Value of reflective foil insulation is application specific. Please contact your NOFP representative for a complete table of System R-Values based on your installation method. To get the marked R-value, it is essential that this insulation be installed properly.

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