



rFoil is a high efficiency, lightweight and **cost effective** reflective air cellular thermal insulation roll that provides years of consistent control of heat gain or loss. Designed for a wide range of applications including residential and commercial metal roofing installations, pre-engineered steel buildings, post frame construction/ pole barns, agricultural buildings and mini storage. Other popular DIY applications include: garage door and water heater insulation.



Benefits include:

Convenient roll sizes, cost efficient, easy to install, Reflects 96% of radiant energy, Class A/Class 1 fire rating. Great vapor barrier, inhibits dew point condensation problems, does not promote nesting of insects or rodents. Does not compress, collapse or disintegrate due to moisture.

R-Value stays consistent over time allowing design criteria to remain intact for the life of the building some competitors mass type/blanket insulation can be reduced by over 35% in the first two years after installation.

What is special about rFoil from Direct Metals, Inc. versus competing products?.

rFoil has a patented reflective surface with Class A/ Class 1 fire rating. rFoil is manufactured in North America, and is ICC & RIMA certified for quality and performance. rFoil foil/white has a UV resistant coating to protect against de-lamination. New integral taped edge product now available, helps to reduce installation time on open purlins.

DMI rFoil 251 & 252 SILVER/WHITE INSULATION

The silver/white facing is ideal for applications where customers will see the white poly facing, which borders on a finished wall appearance. The silver/white rFoil is our value and low cost leader of the rFoil product line yet it offers the same reflection rate as the more expensive silver/silver product. The White Poly facing is protected with our UV coating for exposed applications such as post frame buildings and garage door backs. Class 1/Class A fire rating, tested to the latest ASTM E-84-08...C2599 mounting standard. ICC-ESR-1236 and RIMA Verified, Made in N. America. Provides 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R3.2 to R8.0.

DMI rFoil 251 SINGLE BUBBLE SILVER/WHITE INSULATION

Single bubble layer, reflective one side, white poly facing on the other. The 251 series is our most popular rFoil insulation roll and offers the greatest value for your money. Provides 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R3.2 to R7.9



Available Sizes	Part#
4' x 125' SQ Edge	DR251048125
6' x 125' SQ Edge	DR251072125
4' x 125' Tape Edge	DR251348125
6' x 125' Tape Edge	DR251372125
Available Sizes	Part#
4' x 125' SQ Edge	DR252048125
6' x 125' SQ Edge	DR252072125

DMI rFoil 252 DOUBLE BUBBLE SILVER/WHITE INSULATION

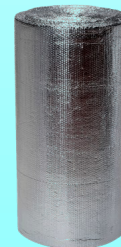
Double bubble layer, reflective one side, white poly facing on the other. Provides 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R3.8 to R8.0

DMI rFoil 221 & 222 SILVER/SILVER INSULATION

The silver/silver facing is ideal for applications where rFoil is concealed and the customer wants the highest thermal performance. Class 1/Class A fire rating, tested to the latest ASTM E-84-08...C2599 mounting standard. Made in N. America. Provides 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R4.5 to R11.0

DMI rFoil 221 SINGLE BUBBLE DOUBLE SILVER INSULATION

Double bubble layer, with metalized reflective facing on both sides. 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R4.5 to R10.0



Available Sizes	Part#
4' x 125' SQ Edge	DR221048125
Available Sizes	Part#
4' x 125' SQ Edge	DR222048125

DMI rFoil 222 DOUBLE BUBBLE DOUBLE SILVER INSULATION

Double bubble layer, with metalized reflective facing on both sides. Provides 96% Radiant Heat transfer resistance, metal building and roofing application testing thermal resistance R4.7 to R11.0

DMI FOIL INSULATION ACCESSORIES

Be sure to use the correct accessories for mounting and seaming reflective insulation. DMI offers mounting tapes, seam tapes, bearing plates and bp fasteners.



Seam Tapes	Part#
Silver 2" x 180' 24/case	DR15072
White 2" x 150' 16/case	DR15852
HD Seam and Repair Tape	Part#
White 3" x 165' 16/case	DTP3WP
Double Sided Mounting Tape	Part#
Clear 2" x 75' 24/case	DRITC222

Bearing Plates	Part#
Silver 3" Round	DMRSRP31
White 3" Round	DMRM3265
Screws for Plates	Part#
Wood attachment 1"	DMRPW11
Steel Purlin up to 6 ga	DMRPDS11

DMI rFoil REFLECTIVE INSULATION ROLLS

Metal Roof Over rFoil Installation Method

Furring method: Preferred for Florida and Southern climates:

1. Install approved underlayment to roofing deck per manufacturers instructions and code requirement.
2. Staple the rFoil insulation silver side to the sky to the first truss or first 1' of wood deck with at least 5/16" corrosion resistant staples, in a fashion to secure the end of the roll.
3. Roll the Insulation out with the silver side facing the sky and white (or 2nd silver) side facing toward the roof deck.
4. Un-roll subsequent rFoil rolls and butt edge to the previous installed layer.
5. Apply approved seam tape to the butt edge seams.
6. Install wood furring over the rFoil insulation. Nail or screw the wood through the rFoil per code requirements.
7. Install metal roofing per manufacturers and code requirements.

Check local building codes for compliance before purchase or installation. The installation sheet is intended to illustrate the proper location and placement of rFoil Reflective Insulation products in specific construction applications. This sheet is not intended to illustrate proper construction methods (which is ultimately the responsibility of the builder or contractor).

Florida Building Code and Dade County Code Compliance info:

As part of a metal roofing system, rFoil Reflective Insulation is an accessory product for thermal control only. rFoil reflective insulation serves no structural purpose and is not intended to provide a vapor barrier or be used in place of one. For use in residential metal roofing applications, rFoil insulation requires no specific approval. There is no particular test standard (at time of publication), ICC evaluation process, or Florida Building Code requirement for the use of reflective bubble/foil insulation as a thermal addition/accessory in these metal roofing systems. Certifications include : ICC - ES Evaluation Report - ESR-1236, CSTB - Avis Technique 20/04-55*01 Mod, State of California - Thermal Insulation Manufacture - license, Rima International Verification Program for North America.

Performance estimated from the above application method:

Product	Radiant Heat Transfer Resistance	Convection Heat Thermal Resistance
SBFW DR2510	96 %	R3.5 to R6.6
SBFF DR2210	96 %	R6.4 to R9.0
DBFW DR2520	96 %	R3.8 to R6.8
DBDF DR2220	96 %	R6.6 to R9.2

rFoil is one of the few insulating materials that is not negatively affected by humidity and consequently, has an insulating value that remains unchanged from the "bone dry" state to very high humidity conditions.



To purchase please contact a registered DMI distributor www.directmetalsinc.com