



THERMAL ROOF UNDERLAYMENT

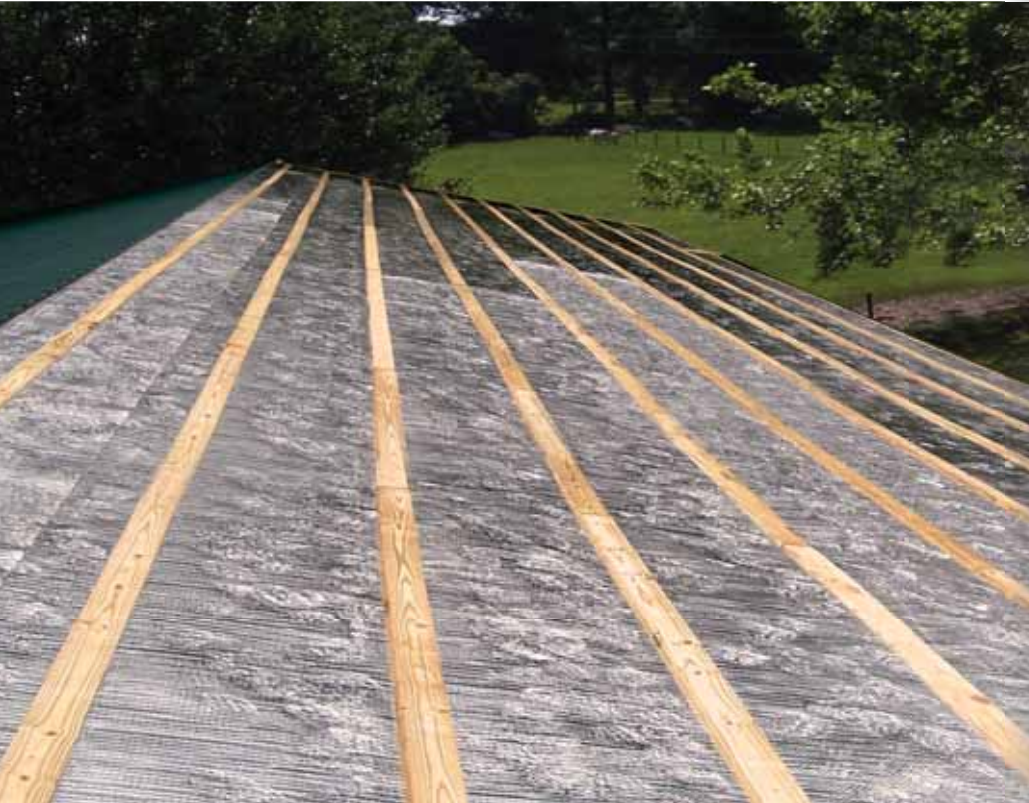
2200 and 2500 SERIES

rFOIL® Benefits:

- Blocks 96% of Radiant Heat Transfer
- Prevents Interior Condensation
- Class 1 / Class A Fire-Rated (ASTM E84)
- Puncture and Tear-Resistant
- Unaffected by Humidity
- Will not Promote Mold and Mildew
- Safe, Non-Toxic, and Non-Carcinogenic
- Easy to Handle and Install
- Various Tab Options
- UV-Resistant

rFOIL® Applications:

- Residential Metal Roofs
- Pre-Engineered Steel Buildings
- Post Frame / Pole Barns
- Agricultural Buildings
- Mini Storage
- Livestock Confinement



rFOIL® Reflective Insulation is an effective energy barrier that can greatly reduce the transfer of radiant heat through siding and roofing. While most insulating materials rely on retarding the flow of heat through walls and ceilings, rFOIL® Reflective Insulation works by reflecting as much as 96% of the radiant energy back away from its surface. This can dramatically cut energy costs in air-conditioned housing, as well as create an effective “shade” in non-cooled out-buildings, garages, porches, and utility buildings.

rFOIL® reflective Insulation is a single or double layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized film surface and a white polyethylene sheet. It can be taped to purlins, stapled to rafters or studs, or rolled out onto roof decking or existing shingles prior to installation of metal roofing or siding panels.





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(2200 and 2500 Series)

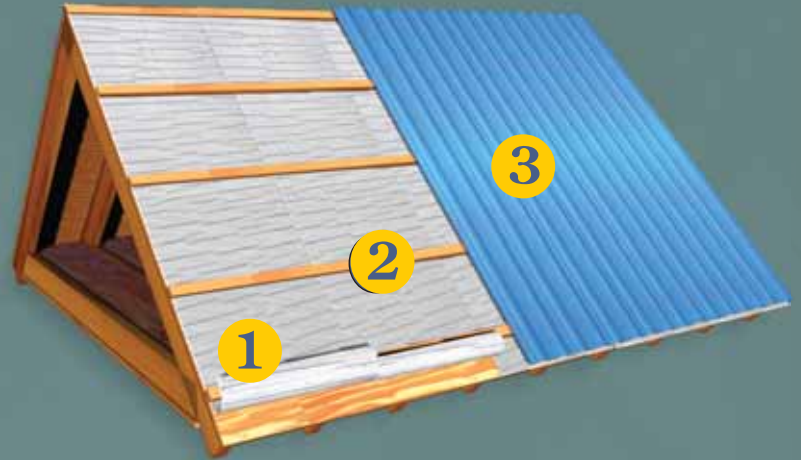
FEATURES

It's as easy as:

1. Staple the rFOIL® reflective insulation to the roof deck
2. Attach purlins on top of the rFOIL®
3. Install the metal panels or the purlins and reflective insulation

rFOIL® Reflective Insulation can be:

- Laid out over roof decking or existing shingles
- Taped to metal purlins in steel buildings
- Stapled to wood purlins in post frame buildings
- Attached to the bottoms of metal purlins
- Laid down over ceiling joist or stapled to the undersides of rafters



To receive the full benefit from the rFOIL insulation, an air space must be created between the panels and the reflective surface of the insulation. Insulation should be stapled down and covered over with 1x4 or 2x4 purlins ahead of the application of the exterior covering.

PRODUCT SIZES

- Width: 12", 16", 18", 24", 48" and 72"
- Length: 102' and 125'

PRODUCT OPTIONS

- Single or Double Bubble
- Square Edge, Tab 1 Side, Tab 2 Sides, Quick Seam Adhesive Strip

PRODUCT SPECIFICATIONS

PHYSICAL PROPERTIES	TEST	2220 SERIES (Double)	2210 SERIES (Single)	2520 SERIES (Double)	2510 SERIES (Single)
NOMINAL THICKNESS	—	5/16"	3/16"	5/16"	3/16"
FIRE RATING	ASTM E84-08 / ASTM E2599-08	CLASS 1 / CLASS A		CLASS 1 / CLASS A	
	ASTM E84-08	FLAME SPREAD=0	FLAME SPREAD=0	FLAME SPREAD=0	FLAME SPREAD=0
		SMOKE DEVELOP=20	SMOKE DEVELOP=20	SMOKE DEVELOP=15	SMOKE DEVELOP=10
UV TESTING	ASTM G155	—		90+% RETAINED RETENTION after 4000 hours	
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES		PASSES	
EMISSIVITY	ASTM C1371-04A	0.04		0.04	
REFLECTIVITY	ASTM E903	0.96		0.96	
WATER VAPOR PERMEABILITY	ASTM E96	0.02 Perms	0.04 Perms	0.12 Perms	0.01 Perms
RESISTANCE TO FUNGI and BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH		DOES NOT PROMOTE GROWTH	
PLIABILITY	ASTM C1224-03	NO CRACKING		NO CRACKING	
BLEEDING and DELAMINATION	ASTM C1224-03	NO BLEEDING or DELAMINATION		NO BLEEDING or DELAMINATION	
CORROSIVENESS	ASTM D3310-00	PASSES		PASSES	

Warranty, Specific Applications, and Installation Guides can be found at www.rfoil.com

