

REFLECTIVE INSULATION

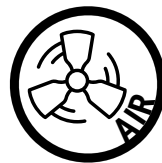
PLY-FOIL



EASY INSTALLATION
LOWERS ENERGY USAGE

**POST FRAME & METAL
BUILDING CONSTRUCTION**

INSULATION



PLY-FOIL REFLECTIVE INSULATION

SINGLE & DOUBLE BUBBLE

Plyfoil reflective insulation is a layer of polyethylene bubbles bonded to and sandwiched between either two radiant barrier metalized foil surface sheets or one metalized foil surface and a white polyethylene sheet.

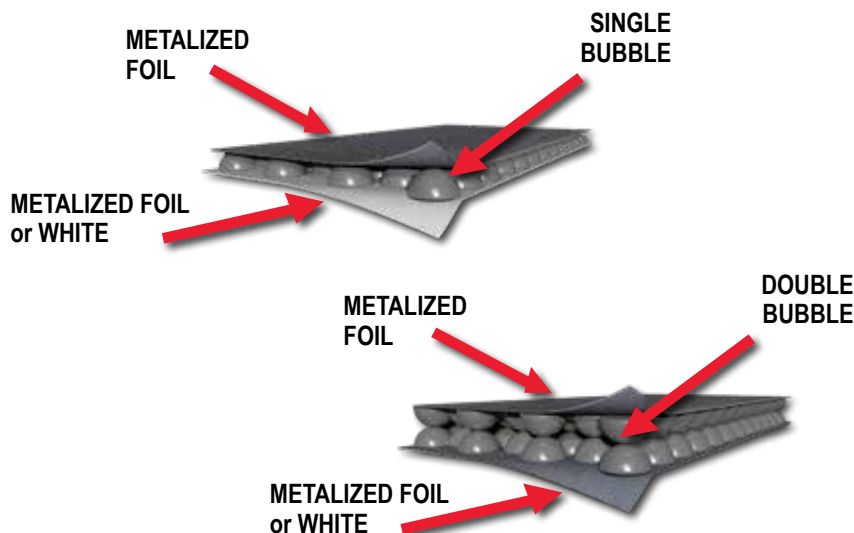
Both styles of Plyfoil are designed to reduce radiance heat gain and loss. The rolls are available in either single or double bubble with varying widths, lengths and tab options.

FEATURES

- 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



FOIL/WHITE & FOIL/FOIL



COMMON SIZES

Width: 48" & 72"

Length: 75', 100' & 125'

RECOMMENDED APPLICATIONS

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

MULTI-LAYER BUBBLE CORE

- Provides continuous thermal break
- Lowers risk of interior surface condensation
- Durable and long-lasting
- Superior puncture, tensile and tear strength
- Will not absorb water or vapor
- Does not harbor moisture or mold
- Clean, safe, no-itch material

TAB/EDGE OPTIONS

Square Edge
Tab 1 Side
Tab 2 Sides
Quick Seam Adhesive Strip



PHYSICAL PROPERTIES	TEST	DOUBLE BUBBLE	SINGLE BUBBLE
NOMINAL THICKNESS	--	5/16"	3/16"
FIRE RATING	ASTM E84-08/ ASTM E2599-09	CLASS 1 / CLASS A	
	ASTM E84-08	FLAME SPREAD = 0	FLAME SPREAD = 0
		SMOKE DEVELOP = 20	SMOKE DEVELOP = 20
UV TESTING (WHITE)	ASTM G155	90+% RETAINED RETENTION after 4000 hours	
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES	
EMISSIVITY	ASTM C1371-04A	0.04	
REFLECTIVITY	ASTM E903	0.96	
WATER VAPOR PERMEABILITY	ASTM E96	SILVER - 0.02 Perms WHITE - 0.12 Perms	SILVER - 0.04 Perms WHITE - 0.01 Perms
RESISTANCE TO FUNGI AND 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	



PLY-FOIL

CONCRETE BARRIER/UNDER PAD

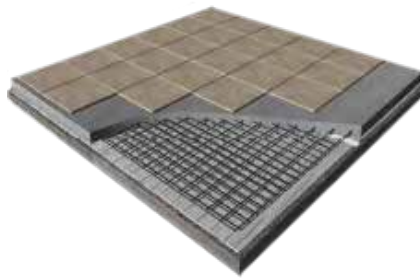


Plyfoil Standard Concrete Underpad is an outstanding reflective insulation and puncture-resistant vapor barrier. It is composed of a double layer of high-strength polyethylene bubbles sandwiched between a layer of highly reflective metalized film and a clear polyethylene sheet.

Common Sizes:

Width: 48"

Length: 125', 250' & 1,000'



FEATURES

- Reduces Radiant Heat Loss through Floors
- High-Strength, Multi-Layer, Vapor and Radon Barrier
- Cost-Effective Alternative to Rigid Foam Insulation
- Improves Efficiency of In-Floor Radiant Heating Systems
- Reduces Slab Reaction Time at System Startup
- Saves Energy Usage and Utility Costs
- Easy to Form Around Obstructions
- Installs Easily Over Any Grade
- Withstands Job Site Traffic

PHYSICAL PROPERTIES	TEST	VALUE
NOMINAL THICKNESS	--	5/16"
EMISSION	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.42 PERMS
RESISTANCE TO FUNGI AND BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH
PLIABILITY	ASTM C1224-03	NO CRACKING
BLEEDING AND DELAMINATION	ASTMA C1224-03	NO BLEEDING OR DELAMINATION
CORROSIVENESS	ASTM D3310-00	PASSES
COMPRESSION	--	70 PSI

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APPLICATIONS:

- Insulating Under Concrete Slabs
- Beneath Concrete Over-Pours
- Edge-Slab and Expansion Joints

Because of its ongoing commitment to product improvement, Plyco Corporation reserves the right to change, without notice, product specifications, availability, prices and conditions of sale.