



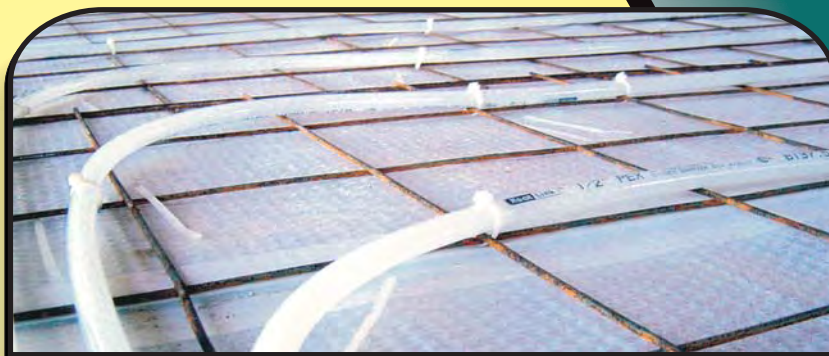
## ULTRA CBF Concrete Barrier Foil

### Recommended For:

- Insulating Under Concrete Slabs
- In-Floor Radiant Heating
- Beneath Concrete Over-Pours
- Edge-Slabs and Expansion Joints
- Outside Foundation Walls
- Snow Melt Systems
- Under Carpet

### Why Install rFOIL™?

- Reduces Radiant Heat Loss through Floors
- Multi-Layer Vapor and Radon Barrier (10 mil)
- Cost-Effective Alternative to Rigid Foam Insulation
- Improves Efficiency of In-Floor Radiant Heating Systems
- Saves Energy Usage and Utility Costs
- Easy to Form around Obstructions
- Installs Easily Over any Grade
- Withstands Job Site Traffic



Patent No. US 6,562,439B2 US 6,514,596B1

**Ultra CBF** is an outstanding reflective insulation and puncture-resistant vapor barrier. Ultra CBF is composed of a single layer of pure aluminum, laminated between two layers of ultra-strong polyethylene bubble (up to 140 psi).

**Ultra CBF** is the ultimate under-slab insulation. It provides exceptional thermal value and a strong, permanent vapor and radon barrier. Ultra CBF typically costs less than 2" rigid PE board insulation. Ultra CBF is easier to handle, cut, and install than rigid foam insulation, yet has nearly six times the compression strength.



## FEATURES

## BENEFITS

### Reflective Aluminum Inner Layer

- Reduces Radiant Heat Loss
- Redirects Radiant Heat Energy Back to Living Area
- Saves Energy Usage and Lowers Heating Costs
- Extends Life of Heating System
- Faster Reaction Time for Radiant Floor Heating

### Multi-Layer 10 mil Bubble Core

- Provides Continuous Thermal Break below the Slab
- Keeps Underground Moisture Away from Slab
- Durable and Long-Lasting Polyethylene
- Superior Puncture Resistance and Tear Strength
- Outstanding Vapor and Radon Barrier
- Can also Insulate the Edge-Slab and Outside of Foundation

### Lightweight, Flexible Materials

- Simply Unroll, Overlap, and Tape the Seams
- Easy to Cut and Configure around Obstructions
- Ideal for Edge-Slab Insulation and Expansion Joint (Easily Folds Upward at Perimeter Footing)

## PRODUCTS

## SPECIFICATIONS

### AVAILABLE IN:

- Configurations: Square Edge
- Width: 48" - Length: 125'



NOMINAL THICKNESS	5/16"
WEIGHT	1.16 oz/sq. ft.
TEMPERATURE RANGE	-50°F to 180°F
EMISSION	43%
REFLECTIVITY	57%
WATER VAPOR PERMEANCE - ASTM E96, ONGC 51.33-M89	<0.01 Perms
TENSILE STRENGTH (CAN/CGSB - 51.33-M89)	21.13 lbs/sq. in.
DEFLECTION (ASTM 1621)	<10% under 0.5 psi
PUNCTURE RESISTANCE	85 lbs/sq. in.
COMPRESSIVE STRENGTH	140 psi
LINEAR SHRINKAGE	NONE
FLEXIBILITY (CAN/CGSB - 51.33-M89)	NO CRACKING
RESISTANT TO FUNGI AND BACTERIA	DOES NOT PROMOTE GROWTH

Specific Applications and Installation Guides can be found on our Applications Manuals or at [www.rfoil.com](http://www.rfoil.com)

## More Benefits

- Warmer, More Comfortable Floors
- Conforms Easily to Uneven Grades
- Strongly Bonded to Resist Delamination
- Sealed Seams Provide a Consistent Insulation
- Will not deteriorate over time
- Aluminum Radiant Barrier Permanently Protected from
- Corrosive Ground Elements, such as Lime and Soil Alkaline



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