



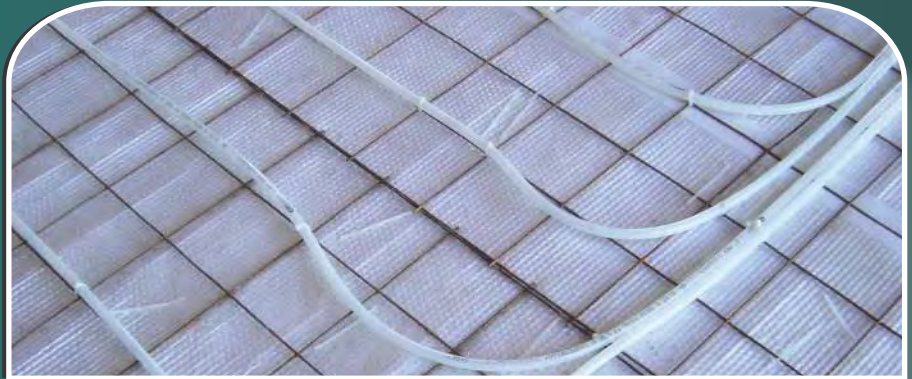
Ultra CBF Concrete Barrier Foil (1620 Series)

Applications:

- 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

Benefits:

- Reduces Radiant Heat Loss Making Floors Warmer and more Comfortable
- Multi-Layer Vapor and Radon Barrier (14.2 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 and Conforms Easily to Uneven Grades
- Installs Easily Over any Grade
- Withstands Job Site Traffic



Ultra CBF is an outstanding reflective insulation and puncture-resistant vapor barrier. Ultra CBF is composed of a single layer reflective sheet, 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.



PATENTED
(See website for details)
www.rFOIL.com

FEATURES

BENEFITS

Reflective Sheet 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 Vapor and Radon Barrier (14.2 mil)

- 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

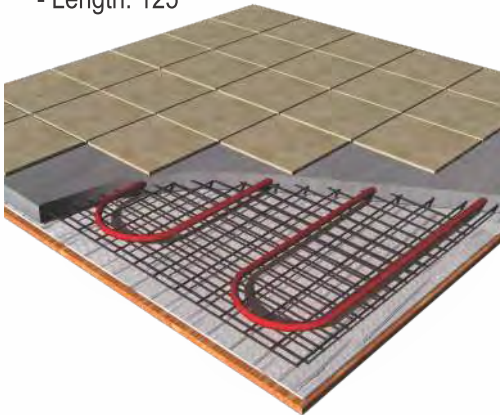
- Simply Unroll, Overlap, and Tape the Seams
- Easy to Cut and Configure around Obstructions
- Ideal for Edge-Slab Insulation and Expansion Joint (Easily Folds Upward at Perimeter Footing)

PRODUCTS

SPECIFICATIONS

AVAILABLE IN:

- Configurations: Square Edge
- Width: 16" and 48"
- Length: 125'



| Physical Properties | Test | Value |
|--------------------------------|--------------------------|-------------------------|
| NOMINAL THICKNESS | — | 5/16" |
| WEIGHT | — | 1.16 oz / sq. ft. |
| TEMPERATURE RANGE | ASTM C411 | -50°F to 180°F |
| EMISSIVITY | ASTM C1371-04A | 43% |
| REFLECTIVITY | ASTM E903 | 57% |
| COMPRESSION STRENGTH | ASTM D751 | 140 psi |
| 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. |
| WATER VAPOR PERMEABILITY | ASTM E96, ONGC 51.33-M89 | <0.01 Perms |
| RESISTANCE TO FUNGI & BACTERIA | ASTM C1338 | DOES NOT PROMOTE GROWTH |
| LINEAR SHRINKAGE | — | NONE |
| FLEXIBILITY | CAN/CGSB - 51.33-M89 | NO CRACKING |

Warranty, Specific Applications and Installation Guides can be found on our Applications Manuals or at www.rfoil.com

More Benefits

- 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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