

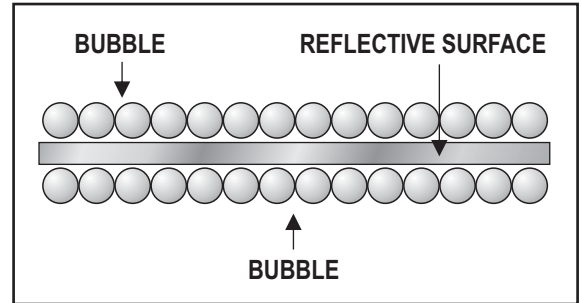
**ULTRA (CBF) CONCRETE BARRIER FOIL**

TECHNICAL DATA

**Product Description:**

rFOIL™ Ultra CBF is a patented under-concrete insulation product, comprised of a highly reflective sheet, sandwiched between two layers of industrial strength polyethylene bubbles. This unique design protects the reflective surface from corrosive chemicals, and ensures that an airspace is maintained for optimum thermal performance.

Installing Ultra CBF can result in noticeably warmer floors, faster slab response times and reduced BTU consumption of radiant heating systems. Sealing seams with rFOIL™ White Poly Tape ensures a uniform insulator and vapor barrier.



**Stock Sizes Available (Rolls):**

Size	<b>48" X 125'</b>	<b>16" X 125'</b>
Part No.	1620-48-125	1620-16-125

**Features:**

- Can easily be installed over rough grade
- Superior bubble strength withstands jobsite traffic
- Methane, radiant and vapor barrier all-in-one
- Multi-Layer 14.2 mil Bubble Core
- Helps direct radiant heat into the living space
- Can easily be formed around plumbing, wiring etc.
- Installation is quick, safe and easy

**Applications:**

- Radiant heating in a concrete floor
- Duct wrap for below-grade HVAC
- Radiant heating with a subfloor
- Radiant heating in a snowmelt

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



**PATENTS**

US Patent No.: 6,562,439,B2

US Patent No.: 6,514,596,B1



279 Humberline Drive Etobicoke, ON M9W 5T6  
 Call Toll Free: 1-800-837-8961 Local: 416-798-1340  
 Fax: 416-798-1342 Email: sales@rfoil.com  
**Visit our Website: www.rfoil.com**



Published: June 30, 2013