



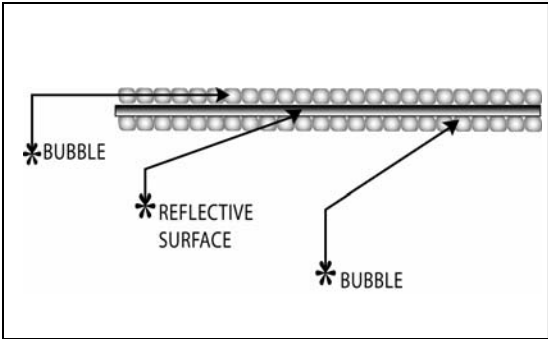
# TECHNICAL DATA SHEET

## ULTRA CBF

### Product Description:

TVM's Ultra CBF is a patented under-concrete insulation product, comprised of a highly reflective aluminum 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 TVM White Poly Tape ensures a uniform insulator, and vapor barrier.



### Stock Sizes Available (Rolls):

<b>Size</b>	48" X 125'	16" X 125'
<b>Part No.</b>	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
- 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	Bubble / Reflective / Bubble
NOMINAL THICKNESS	--	5/16"
WEIGHT	--	1.35 oz/sq. ft.
TEMPERATURE RANGE	ASTM C411	-50°F to 180°F
FIRE RATING	ASTM E84	CLASS 1 / CLASS A
COMPRESSSION STRENGTH	--	140 psi
FLEXABILITY & PLIABILITY	TAPPI T 512	No Cracking or Delamination
BURSTING STRENGTH	ASTM D751	180 psi
THERMAL RESISTANCE (system)	ASTM C236*	R-3.8*
WATER VAPOR TRANSMISSION	ASTM E96	< 0.02 perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1338	DOES NOT PROMOTE GROWTH

\*ASTM C236 modified to demonstrate the radiation effect of reflective foil on reducing the energy input at the room-side of the Guarded Hot Box. The stated R-Value represents the thermal resistance of an insulation SYSTEM.

**\*Avoid prolonged storage of product in direct sunlight, or in conditions where temperatures exceed 95°F**

