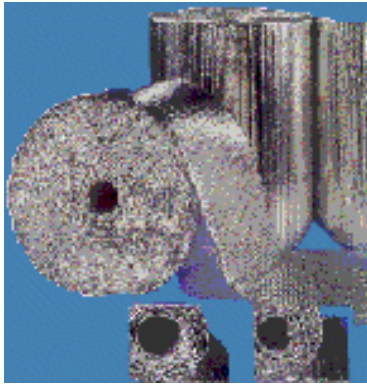


## **BUBBLE FOIL INSULATION**



### **DESCRIPTION:**

**Used for insulation of walls and roofs on metal buildings.**

**TempShield bubble foil insulation consists of one or two layers of barrier bubble material laminated between two layers of aluminum foil. The air cellular material contains a material designed to provide greater strength, puncture resistance, and improved air retention characteristics.**

- **Easy no itch installation., cuts easily with knife or scissors.**
- **High efficiency performance**
- **Thin, lightweight material easy to use 4' x 125' rolls.**
- **Resists all 3 type of heat flow: conduction, convection and radiation**
- **Aluminum foil reflects 97% of radiant energy and forms a effective barrier against moisture, air currents and vapors..**
- **Resists fungus, insects and nesting rodents, consequently keeping the building looking like new for many years.**

### **SPECIFICATIONS:**

#### **SINGLE BUBBLE DOUBLE FOIL INSULATION PERFORMANCE**

	UNITS	UP	DOWN	HORIZONTAL
* R VALUE	FT2HRDEGF/BTU	5.3	13.7	7.0
** R VALUE	FT2HRDEGF/BTU	8.1	14.9	9.5

#### **SINGLE BUBBLE DOUBLE FOIL TECHNICAL DATA**

PROPERTY	RESULTS
TEMPERATURE	-60 DEG F TO + 180 DEG F
NOMINAL THICKNESS	3/16"
FLAME SPREAD INDEX ASTM E 84	15
SMOKE DEVELOPED INDEX ASTM E 84	10
FIRE RATING	CLASS A / CLASS 1
LINEAR SHRINKAGE	NONE
RELECTANCE (IR)	97%
WATER VAPOR TRANSMISSION ASTM E 96	0.04 PERMS
SURFACE EMMITTANCE	0.032

## **DOUBLE BUBBLE DOUBLE FOIL INSULATION PERFORMANCE**

	UNITS	UP	DOWN	HORIZONTAL
* R VALUE	FT2HRDEGF/BTU	5.8	14.2	7.5
** R VALUE	FT2HRDEGF/BTU	8.6	15.4	10.00

## **DOUBLE BUBBLE DOUBLE FOIL TECHNICAL DATA**

PROPERTY	RESULTS
TEMPERATURE	-60 DEG F TO + 180 DEG F
NOMINAL THICKNESS	3/8"
FLAME SPREAD INDEX ASTM E 84	15
SMOKE DEVELOPED INDEX ASTM E 84	15
FIRE RATING	CLASS A / CLASS 1
LINEAR SHRINKAGE	NONE
RELECTANCE (IR)	97%
WATER VAPOR TRANSMISSION ASTM E 96	LESS THAN 0.04 PERMS
SURFACE EMMITTANCE	0.032

\* Thermal resistance measurements have been made using a calibrated hot box operated in accordance with ASTM C 976. R values were measured for product installed to form two 2.5 inches wide air spaces in a nominal 2" x 6" framing set 24" on center. Analysis of results was done in accordance of ASTM C 1224. The R values observed are highly dependent on method of installation.

\*\* R values calculated on a typical wall cavity system including 3/4" interior and exterior plywood, studs on 24" centers, and naturally occurring air films.

### **INSTALLATION:**

ASK SALES PERSON FOR INSTALLATION INSTRUCTION SHEET.

### **AVAILABLE SIZES:**

**SINGLE BUBBLE DOUBLE FOIL ROLLS                      4' X 125' (500 SQFT)**  
**DOUBLE BUBBLE DOUBLE FOIL ROLLS                      4' X 125' (500 SQFT)**

### **OPTIONS:**

**ALUMINUM FOIL TAPE FOR SEALING JOINTS 2" X 160' ROLLS  
(24 ROLLS PER CASE)**

**BUBBLE FOIL INSULATION ALSO AVAILABLE WITH WHITE BACK FOR  
EXPOSED CEILINGS WHEN WELDING EQUIPMENT IS TO BE USED.**