

# SPECIFICATION INFORMATION



**CSI Division: 7**

Revision #3 - 10/2/09

## 1.0 Product Name

**Space Age® FBF Reflective Insulation.**

## 2.0 Manufacturer



**Insulation Solutions®**

Insulation Solutions Inc.  
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East Peoria, IL 61611

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## 3.0 Product Description

### 3.1 Basic Use:

**Space Age® FBF** is a premium reflective bubble insulation designed to be used in residential and commercial applications.

### 3.2 Composition & Materials:

**Space Age® FBF** consists of one layer of polyethylene air bubble pack sandwiched between two layers of reflective foil.

### 3.3 Size:

**Space Age® FBF** is available in the following roll sizes : 48" x 125' & 72" x 125'.

### 3.4 Weight:

**Space Age® FBF** weighs approximately 1.04 oz per sq. ft.

## 4.0 Technical Data

### 4.1 See Table Below

### 4.2 R-values:

R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

To get the marked R-value, it is essential that this insulation be installed properly.

## Application

Application	Added Benefit
Walls & Ceilings	R-4.5
Garage Doors	R-5.5
Duct Wrap*	R-3.5/R-5.5
Radiant Heating (Subfloor)	R-12

R-values shown here are calculated system R-values. R-value performance is based upon heat flow direction and the amount of air space for a given application. Different applications yield different performance values.

Space Age® must be installed properly to achieve stated benefit. Contact your local Insulation Solutions, Inc. representative for more information regarding product performance for a given application. Installation instructions for typical applications can be obtained online at [www.InsulationSolutions.com](http://www.InsulationSolutions.com) or by calling toll-free 1-866-698-6562.

*\*For Duct Wrap applications - R-3.5 is without spacers, R-5.5 is with spacers. Refer to installation instructions for details.*

PROPERTIES	TEST METHOD	SPACE AGE® FBF
Thickness		3/16" (4mm)
Weight		1.04 oz/ft <sup>2</sup> (291 gr/m <sup>2</sup> )
Crushing Resistance		60.05 lbs/in <sup>2</sup> (414 kN/m <sup>2</sup> )
Linear Shrinkage		None
Flexibility	CAN/CGSB-51.33-M89	No Cracking
Emissivity		.04
Reflectivity		96%
Water Vapor Permeance - before aging - after aging	CAN/CGSB-51.33-M89 ASTM E-96	< 0 ng/Pa.s.m <sup>2</sup> < 1 ng/Pa.s.m <sup>2</sup>
Temperature Range at 24° C (75° F)		-50° F to 200° F (-45° C to 93° C)

*Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.*

#### 4.3 Environmental Considerations:

**Space Age® FBF** can be used as a radiant barrier when installed with at least one side facing an air space.

#### 5.0 Installation

##### **SPACE AGE® PLACEMENT**

- 5.1 Staples can be used to attach **Space Age®** to framing.
- 5.2 When using **Space Age®** as a vapor barrier, all seams, tears and protrusions should be taped with ISI White Poly Tape or equivalent.

##### **PROTECTION**

- 5.5 **Space Age®** should be not exposed to sunlight longer than 180 days.
- 5.6 **Space Age® FBF** should not come into contact with curing concrete.

(These are very general installation instructions. More detailed instructions are available from the manufacturer. Instructions on architectural or structural drawings should be reviewed and followed as well.)

#### 6.0 Availability & Cost

**Space Age®** is sold through construction supply houses and lumberyards across the United States.

**Space Age®** current cost information can be obtained by calling our corporate sales office at 866-698-6562.

#### 7.0 Warranty

To the best of our knowledge, the specification chart on page one lists typical property values and are intended as guides only, not as specification limits. INSULATION SOLUTIONS INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, NO GUARANTEE OF SATISFACTORY RESULTS FROM RELIANCE UPON CONTAINED INFORMATION OR RECOMMENDATIONS AND DISCLAIMS ALL LIABILITY FOR RESULTING LOSS OR DAMAGE.

#### 8.0 Maintenance

**Space Age®** requires no maintenance once installed.

#### 9.0 Technical Services

Technical information and detailed test results can be obtained by calling our corporate office at 866-698-6562.

#### 10.0 Filing Systems

Additional information is available from the manufacturer.