

# SPECIFICATION INFORMATION



**FBBF**

**CSI Division: 7**

Revision #1

**1.0 Product Name**

**Space Age® FBBF Reflective Insulation.**

**2.0 Manufacturer**



**Insulation Solutions®**

Insulation Solutions Inc.  
401 Truck Haven Road.  
East Peoria, IL 61611

Engineering Assistance  
Toll Free: 866-698-6562  
Fax: 309-698-0065  
[www.insulationsolutions.com](http://www.insulationsolutions.com)

**3.0 Product Description**

3.1 Basic Use:

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

3.2 Composition & Materials:

**Space Age® FBBF** consists of two layers of polyethylene air bubble pack sandwiched between two layers of aluminum foil.

3.3 Size:

**Space Age® FBBF** is available in several roll sizes : 16" x 125', 24" x 125', 48" x 125' & 72" x 125'.

3.4 Weight:

**Space Age® FBBF** weighs approximately 1.35 oz per sq. ft.

**4.0 Technical Data**

4.1 See Table Below

**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.® (ISI) 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. ISI may modify the composition of its products without prior notice. Consequently orders will be filled according to the latest specifications.

PROPERTIES	TEST METHOD	SPACE AGE® FBBF
Thickness		3/8" (8mm)
Weight		1.35 oz/ft <sup>2</sup> (382 gr/m <sup>2</sup> )
Crushing Resistance		60.05 lbs/in <sup>2</sup> (414 kN/m <sup>2</sup> )
Tensile Strength	CAN/CGSB-51.33-M89	21.13 lbs.ft/in (3.7 N/mm)
Flexibility	CAN/CGSB-51.33-M89	No Cracking
Emissivity		.03 - .04
Reflectivity		0.96 - 0.97
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)
Linear Shrinkage		None

#### 4.2 Environmental Considerations:

**Space Age® FBBF** 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® FBBF** 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.