

SPECIFICATION INFORMATION



CSI Division: 7

Last Revision - 8/3/10

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
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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 reflective 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

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-5.0
Garage Doors	R-6.0
Duct Wrap*	R-4.0/R-6.0
Radiant Heating (Subfloor)	R-12.5

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 or by calling toll-free 1-866-698-6562.

**For Duct Wrap applications - R-4.0 is without spacers, R-6.0 is with spacers. Refer to installation instructions for details.*

PROPERTIES	TEST METHOD	SPACE AGE® FBBF
Thickness		3/8" (8mm)
Weight		1.35 oz/ft ² (382 gr/m ²)
Crushing Resistance		60.05 lbs/in ² (414 kN/m ²)
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		.04
Reflectivity		96%
Water Vapor Permeance - before aging - after aging	CAN/CGSB-51.33-M89 ASTM E-96	< 0 ng/Pa.s.m ² < 1 ng/Pa.s.m ²
Temperature Range at 24° C (75° F)		-50° F to 200° F (-45° C to 93° C)
Linear Shrinkage		None

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.

4.2 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.