

SPECIFICATION INFORMATION



CSI Division: 7

Revision #1

1.0 Product Name

Space Age® WBBF 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

3.0 Product Description

3.1 Basic Use:

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

3.2 Composition & Materials:

Space Age® WBBF consists of two layers of polyethylene air bubble pack sandwiched between a layer of white polyethylene and a layer of aluminum foil.

3.3 Size:

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

3.4 Weight:

Space Age® WBBF weighs approximately 80 lbs. per 1000 sq. ft.

4.0 Technical Data

4.1 Applicable Standards

- *ASTM D751 Standard Test Methods for Coated Fabrics*
- *ASTM C1371 Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers*

- *ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials*
- *ASTM C 236 Standard Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Gaurded Hot Box*

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.

PROPERTIES	TEST METHOD	SPACE AGE® WBBF
Thickness, Nominal		5/16" in. (nominal)
Weight Per 1000 Square Feet		80 lbs.
Linear Shrinkage		NONE
Degradation		0
Perm Rating	ASTM E 96 - 94	0.02
Bursting Strength	ASTM D 751	87.6 PSI
Emissivity	ASTM C 1371	.03 - .04
Maximum Use Temperature		180° F
Minimum Use Temperature		-50° F
Thermal Resistance (R-value*)	ASTM C 236	9.7 (heat flow down) 4.4 (heat flow horizontal)

*R-values include 3/4" air space on both sides of the product

4.2 Environmental Considerations:

Space Age® WBBF can be used as a radiant barrier when installed with the foil 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® WBBF should be installed white side up in under slab applications to prevent a reaction between the foil and the 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

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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.