



VERSION 20.0

space age[®]

REFLECTIVE INSULATION

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DIVISION
070000

PRODUCT NAME

Space Age• FBBF Reflective Insulation

MANUFACTURER

ISI BUILDING PRODUCTS
401 Truck Haven Road
East Peoria, IL 61611
866.698.6562 / www.isibp.com

PRODUCT DESCRIPTION

BASIC USE

Space Age FBBF reflective insulation is a rolled, easy-to-use insulation designed to create a more comfortable living/working space and help cut energy costs. Adding a reflective radiant barrier to existing insulation can boost the overall R-value of the building by preventing radiant heat gain. Conversely, radiant barriers assist with keeping the space warm in the winter by reducing heat loss.

COMPOSITION & MATERIALS

Space Age FBBF consists of two layers of polyethylene air bubble pack sandwiched between two layers of reflective foil.

SIZE

Standard Sizes: 4' x 125', 6' x 125'

WEIGHT

Approximately 1.35 oz. per ft²

TECHNICAL DATA

APPLICABLE STANDARDS

CAN/CGSB-51.33-M89

ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials

ASTM E 84 / 2599-08 Standard Test Method for Surface Burning Characteristics of Building Materials

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 the insulation is properly installed.

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 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 properly installed to achieve stated benefit. Contact ISI Building Products for more information regarding product performance for a given application. Installation instructions for typical applications can be obtained by calling our corporate office at 866.698.6562 or online at www.isibp.com.

*For duct wrap applications: R-4.0 is without spacers. R-6.0 is with spacers. Refer to installation instructions for details.

INSTALLATION

PLACEMENT

Staples can be used to attached Space Age FBBF to framing.

When using Space Age FBBF as a vapor barrier, all seams, tears and protrusions should be taped with white polyethylene seam tape.

PROTECTION

Space Age FBBF should not be exposed to sunlight longer than one hundred and eighty days.

Space Age FBBF should not come into contact with curing concrete.

These are general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

WARRANTY

Warranty information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

MAINTENANCE

Requires no maintenance once installed.

TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling the manufacturer at 866.698.6562.

FILING SYSTEMS

Additional information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

PROPERTIES TEST PROCEDURE (INDEPENDENT TEST FACILITY)	TEST METHOD APPLICABLE STANDARDS	RESULTS IP UNITS
THICKNESS	N/A	3/8" (8mm)
WEIGHT	N/A	1.3 oz/ft ² (382 gr/m ²)
CRUSHING RESISTANCE	N/A	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)
FLAME SPREAD	ASTM E84 & ASTM E2599-08	10
SMOKE DEVELOPMENT	ASTM E84 & ASTM E2599-08	30
FLEXIBILITY	CAN/CGSB-51.33-M89	NO CRACKING
EMISSIVITY	N/A	.04
REFLECTIVITY	N/A	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 75°F AT 24°C	N/A	-50° F TO 200° F -45° C TO 93° C
LINEAR SHRINKAGE	N/A	NONE

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