

# InsulSafe® SP Fiber Glass Blowing Insulation

## For Use in the Blow-In-Blanket® System

### PRODUCT DESCRIPTION

**Basic Use:** The Blow-In-Blanket® System (BIBS) is a trademarked insulating process available through Blow-In-Blanket, Inc. using InsulSafe® SP glass fibers. The system calls for blowing the insulation into wall cavities covered with fabric. The system is used in residential and commercial construction for thermal and acoustical insulation.



**Benefits:** InsulSafe SP is noncombustible, noncorrosive and odor free. In addition, InsulSafe SP won't settle, contains no chemicals to cause mildew and fungus growth, contains no formaldehyde, provides no sustenance for vermin, contains no asbestos, won't rot or decay and won't absorb moisture. InsulSafe SP improves energy efficiency and reduces energy consumption. This product helps conserve nonrenewable energy sources, reduces dependence on foreign oil and reduces greenhouse gas emissions.

**Composition and Materials:** InsulSafe SP is an unbonded, white, virgin fiber, loose-fill fiber glass insulation designed for pneumatic application.

**Limitations:** This product is designed for use at ambient temperatures in interior (weather protected) locations. Pneumatic installation equipment must have an effective shredding section, a uniform controlled feed system and adequate material/airflow capabilities. The InsulSafe SP fiber glass product must be kept dry during shipping, storage and installation.

### INSTALLATION

Installation procedures and techniques must be as recommended by CertainTeed Corporation and Blow-In-Blanket, Inc. Only qualified contractors certified by Blow-In-Blanket, Inc. may install the Blow-In-Blanket System with InsulSafe SP. Please refer to the InsulSafe SP Installation Instruction Manual (30-24-302).

### AVAILABILITY AND COST

Manufactured and sold throughout the United States. For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at (800) 233-8990.

### WARRANTY

Refer to CertainTeed's Limited Lifetime Insulation Warranty for InsulSafe SP (30-21-1344).

### MAINTENANCE

No maintenance required.

### TECHNICAL SERVICES

Technical assistance can be obtained from your local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at (800) 233-8990.

<b>Product Name</b>	InsulSafe® SP Fiber Glass Blowing Insulation
<b>Manufacturer</b>	CertainTeed Corporation
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<b>Phone</b>	610-341-7000 • 800-233-8990
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### TECHNICAL DATA

#### Applicable Standards

- Model Building Codes:
  - ICC International Code Council
  - New York City MEA 218-85M
  - New York State NYS UFPBC Article 15
  - California and Minnesota Quality Standards

#### Material Standards

- ASTM C764, Mineral Fiber Loose-Fill Thermal Insulation Type 1 – Pneumatic application
- GREENGUARD® Gold Certified
- Thermal resistance
  - ASTM C518 and C687
- Critical radiant flux
  - ASTM E970  $\geq 0.12$  in/cm<sup>2</sup>
- Combustion characteristics
  - ASTM E136 - Noncombustible
- Water vapor sorption
  - ASTM C1104  $\leq 5\%$  by weight
- Odor emission
  - ASTM C1304 / pass
- Corrosiveness
  - ASTM C764
- Fungi resistance
  - ASTM C1338 / pass

#### Fire Resistance

- Fire Hazard Classification:
  - UL 723, ASTM E84, CAN / ULC-S10 2.2
  - Max. Flame Spread Index; 5
  - Max. Smoke Dev. Index; 5

#### Thermal/Acoustical Properties

- Thermal Performance:
  - ASTM C518
  - The stated R-values in BIBS for sidewall application on the back of this sheet are achieved at weights and coverages specified when insulation is installed with pneumatic equipment in accordance with CertainTeed recommendations.

#### Sound Transmission Loss

The same STC ratings obtained with fiber glass blanket insulation can be estimated for InsulSafe SP in BIBS application. Request CertainTeed's Sound Control Guide (30-29-121) for more information on the subject.

#### Quality Assurance

CertainTeed's commitment to quality and environmental management has earned the registration of the Athens, Chowchilla and Kansas City plants to ISO 9001:2000 and ISO 14001:2004 standards.

### COVERAGE CHART— SIDEWALL APPLICATION

When installed with BIBS equipment in wall cavities, the following thermal performance based on a nominal 31 lb. bag is achieved at the thicknesses, weights and coverages specified.

COVERAGE CHART											
Thickness		R-Value		Min. Bags for 1000 ft <sup>2</sup>	Min. Bags for 100m <sup>2</sup>	Density		Minimum Weight		Maximum Coverage Per Bag	
in.	mm	R	RSI	#	#	lbs./ft <sup>3</sup>	Kg/m <sup>3</sup>	lbs./ft <sup>2</sup>	kg/m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>
3.5 (2x4)	89	14	2.5	16.9	18.2	1.8	28.8	0.525	2.562	59.0	5.49
3.5 (2x4)	89	15	2.6	21.6	23.3	2.3	36.8	0.671	3.274	46.2	4.29
5.5 (2x6)	140	22	3.9	26.6	28.6	1.8	28.8	0.825	4.026	37.6	3.49
5.5 (2x6)	140	23	4.1	34.0	36.6	2.3	36.8	1.054	5.144	29.4	2.73
7.25 (2x8)	184	29	5.1	35.1	37.8	1.8	28.8	1.088	5.307	28.5	2.65
7.25 (2x8)	184	31	5.4	44.8	48.2	2.3	36.8	1.390	6.781	22.3	2.07
9.25 (2x10)	235	37	6.5	44.8	48.2	1.8	28.8	1.388	6.771	22.3	2.08
9.25 (2x10)	235	39	6.9	57.2	61.6	2.3	36.8	1.773	8.652	17.5	1.62
11.25 (2x12)	286	45	7.9	54.4	58.6	1.8	28.8	1.688	8.235	18.4	1.71
11.25 (2x12)	286	48	8.4	69.6	74.9	2.3	36.8	2.156	10.523	14.4	1.34
13.25 (2x14)	337	53	9.3	64.1	69.0	1.8	28.8	1.988	9.699	15.6	1.45
13.25 (2x14)	337	56	9.9	81.9	88.2	2.3	36.8	2.540	12.393	12.2	1.13



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