

## 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 proprietary insulating process that uses InsulSafe® SP glass fibers. The system blows 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 decreases 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. Only qualified contractors certified by CertainTeed may install the BIBS 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.

Product Name	InsulSafe® SP Fiber Glass Blowing Insulation
Manufacturer	CertainTeed Corporation
Address	20 Moores Road Malvern, PA 19355
Phone	800-233-8990
Website	<a href="http://www.certainteed.com/insulation">www.certainteed.com/insulation</a>

#### TECHNICAL DATA

##### Applicable Standards

- Model Building Codes:
  - ICC International Code Council
  - California 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 9001:2008 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 (in.)	R-Value (hr-ft <sup>2</sup> ·°F/btu)	Density (lbs./ft <sup>3</sup> )	Maximum Coverage Per Bag (ft <sup>2</sup> )	Minimum Number of Bags for 1000 ft <sup>2</sup>	Minimum Weight per unit area (lbs./ft <sup>2</sup> )
3.5 (2x4)	14	1.2	88.6	11.3	0.350
3.5 (2x4)	15	1.6	66.4	15.1	0.467
5.5 (2x6)	22	1.2	56.4	17.7	0.550
5.5 (2x6)	23	1.4	48.3	20.7	0.642
5.5 (2x6)	24	1.8	37.6	26.6	0.825
7.25 (2x8)	29	1.2	42.8	23.4	0.725
7.25 (2x8)	31	1.6	32.1	31.2	0.967
9.25 (2x10)	38	1.4	28.7	34.8	1.079
9.25 (2x10)	40	1.8	22.3	44.8	1.388
11.25 (2x12)	45	1.2	27.6	36.3	1.125
11.25 (2x12)	48	1.6	20.7	48.4	1.500
13.25 (2x14)	55	1.4	20.1	49.9	1.546
13.25 (2x14)	56	1.5	18.7	53.4	1.656

INSULSAFE SP FOR TJI TRUSSES					
InsulSafe SP Closed Cavity				Bag Weight: 31 lbs.	
Thickness (in.)	R-Value (hr-ft <sup>2</sup> ·°F/btu)	Density (lbs./ft <sup>3</sup> )	Maximum Coverage Per Bag (ft <sup>2</sup> )	Minimum Number of Bags for 1000 ft <sup>2</sup>	Minimum Weight per unit area (lbs./ft <sup>2</sup> )
9.5	40	1.5	26.1	38.3	1.188
11.875	50	1.5	20.9	47.9	1.484
14	59	1.5	17.7	56.5	1.75
16	68	1.5	15.5	64.5	2



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