

Specification Sheet

InsulSafe® SP Fiber Glass Blowing Insulation

1. PRODUCT NAME

InsulSafe® SP Fiber Glass Blowing Insulation

2. MANUFACTURER

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0105
Phone: (610) 341-7000
(800) 233-8990
Fax: (610) 341-7571
Fax-On-Demand: (800) 947-0057
Website: www.certainteed.com

3. PRODUCT DESCRIPTION

Basic Use: InsulSafe SP Fiber Glass Blowing Insulation is used in residential and commercial construction as a thermal and acoustical insulation. It is designed for pneumatic installation in open attic areas and for retrofitting enclosed sidewall and floor/ceiling construction assemblies.

Benefits: This product 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.

Composition and Materials: InsulSafe SP is unbonded, white, virgin fiber glass.

Limitations: InsulSafe SP 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-to-air ratios. This product must be kept dry during shipping, storage and installation.

4. 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 Properties:
 - Thermal resistance — ASTM C518 and C687
 - Critical radiant flux — ASTM E970
 - Combustion characteristics — ASTM E136
 - Water vapor sorption — ASTM C1104
 - Odor emission — ASTM C1304
 - Corrosiveness — ASTM C764
 - Fungi resistance — ASTM C1338

Fire Resistance:

- Fire Hazard Classification:
 - (UL 723, ASTM E84)
 - Max. Flame Spread Index — 5
 - Max. Smoke Dev. Index — 5
- Noncombustibility:
 - (ASTM E136)
 - Meets requirements

Thermal/Acoustical Properties:

- Thermal performance
 - (ASTM C518 and C687)
 - Stated R-Value achieved at minimum thickness and minimum weights as stated within coverage chart(s).



- Acoustical performance
 - (ASTM E90 and E413)
 - The same STC ratings obtained with fiber glass blanket insulation can be estimated to be achieved by InsulSafe SP. Refer to CertainTeed's Guide for Residential Sound Control brochure (30-28-008).

Quality Assurance: Many of our manufacturing plants are registered to ISO 9001-2000 standards.

5. INSTALLATION

Installation procedures and techniques must be as recommended by CertainTeed Corporation, using blowing machines approved for fiber glass insulation. Please refer to InsulSafe SP Installation Instruction Manual 30-24-302.

6. AVAILABILITY AND COST

Distributed and sold throughout the United States. For availability and cost contact your local Territory Manager, contractor or distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990. To find a contractor near you, please visit www.certainteed.com/insulation-contractors

7. MAINTENANCE

No maintenance required.

8. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990.

9. FILING SYSTEMS

- Additional product information is available upon request.

COVERAGE CHART— OPEN ATTIC APPLICATION

The following thermal performance values are achieved at the thicknesses, weights and coverages specified when insulation is installed with pneumatic equipment in a horizontal open blow application.

R-VALUE	MINIMUM BAGS PER 1000 SQ. FT.	MAXIMUM NET SQ. FT. PER BAG COVERAGE	MINIMUM WEIGHT— POUNDS PER SQ. FT.	MINIMUM INSTALLED THICKNESS	MINIMUM SETTLED THICKNESS
To obtain a thermal resistance (R) of:	Bags per 1000 sq. ft. of net area:	Contents of bag shall not cover more than: (sq. ft.)	Weight per sq. ft. of installed insulation shall not be less than: (lbs.)	Installed insulation shall not be less than: (in.)	Minimum settled insulation shall not be less than: (in.)
60	31.4	31.9	0.972	22.00	22.00
49	25.2	39.7	0.780	18.50	18.50
44	22.4	44.6	0.695	16.75	16.75
38	19.1	52.5	0.591	14.50	14.50
30	14.9	67.1	0.462	11.75	11.75
26	12.8	77.9	0.398	10.25	10.25
22	10.8	92.9	0.334	8.75	8.75
19	9.3	107.4	0.289	7.75	7.75
13	6.2	161.7	0.192	5.25	5.25
11	5.3	190.5	0.163	4.50	4.50

R-Values are determined in accordance with ASTM C687 and C518. Complies with ASTM C764 as Type 1 pneumatic application.

COVERAGE CHART— CLOSED CAVITY (WALLS, FLOORS, CEILINGS) RETROFIT APPLICATIONS

The following thermal performance values are achieved at the thicknesses, weights and coverages specified when insulation is installed with pneumatic equipment in closed wall, floor and ceiling cavities. Based on a design density of 1.6lb./ft³.

R-VALUE	REQUIRED OR MINIMUM BAGS PER 1000 SQ. FT.	MAXIMUM NET SQ. FT. PER BAG COVERAGE	MINIMUM WEIGHT— POUNDS PER SQ. FT.	MINIMUM INSTALLED THICKNESS
To obtain a thermal resistance (R) of:	Bags per 1000 sq. ft. of net area:	Contents of bag shall not cover more than: (sq. ft.)	Weight per sq. ft. of installed insulation shall not be less than: (lbs.)	Installed insulation shall not be less than: (in.)
29	31.2	32.1	0.967	7.25
22	23.7	42.3	0.733	5.50
16	17.2	58.1	0.533	4.00
15	16.1	62.0	0.500	3.75
14	15.1	66.4	0.467	3.50



ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • DECKING • RAILING • MILLWORK • FOUNDATIONS • PIPE
INTERIOR: INSULATION • WALLS • CEILINGS

CertainTeed Corporation
 P.O. Box 860
 Valley Forge, PA 19482

Professional: 800-233-8990
 Consumer: 800-782-8777
www.certainteed.com

CertainTeed