

InsulSafe® SP

InsulSafe® SP is a fiber glass blowing insulation used in residential and commercial construction as a thermal and sound absorbing insulation. It is designed for pneumatic installation in open (attics) and closed (sidewalls/floors) construction cavities. It may be used in retrofit applications.

COMPLIANCES:

- ASTM C764, Type I Pneumatic Application
 - Thermal Resistance – ASTM C687 & C518
 - Critical Radiant Flux – ASTM E970
 - Combustion Characteristics – ASTM E136 (Non-combustibility)
 - Water Vapor Sorption – ASTM C1104
 - Odor Emission – ASTM C1304
 - Corrosiveness – ASTM C764.12.7
 - Fungi Resistance – ASTM C1338
- Surface Burning Characteristics – ASTM E84 (Flame Spread 5, Smoke Developed 5)
- California Quality Standards. Reg. No. CA-T024 (PA)
- New York City – MEA 218-85M
- California 1350

CERTIFICATIONS / REGISTRATIONS:

- GREENGUARD Indoor Air Quality
- GREENGUARD Indoor Air Quality – Children & Schools

OTHER:

- Contains no formaldehyde
- Contains some fibrous glass dust
- Contains no asbestos

PNEUMATIC APPLICATION

This product is designed to be installed by professional insulation contractors using blowing machines recommended by their manufacturers for fiber glass. They must have an effective shredding section, a uniform controlled-feed section, and adequate air volume to provide a sufficient material blow distance (arc length). To install properly, see the installation guide (publication 30-24-302) and follow the instructions carefully.

THERMAL PERFORMANCE

The product should not be mixed with other blown insulation or the thermal claims will become invalid. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the desired R-value (thermal performance), it is important that it be installed properly. This is achieved by installing the specified number of bags per 1,000 square feet of net area at or above the stated minimum thickness but not to exceed the maximum coverage stated on the following coverage charts. Those charts are based on a 31-lb. nominal weight bag.

ATTIC APPLICATION COVERAGE CHART

When properly installed with pneumatic equipment in an attic horizontal open blow, the following thermal performance is achieved at the thicknesses, weights and coverages specified:

R-VALUE	NO. BAGS PER 1,000 SQ.FT. NET AREA	MAXIMUM NET COVERAGE	MINIMUM WEIGHT	INITIAL INSTALLED THICKNESS	MINIMUM SETTLED THICKNESS
To obtain a thermal resistance (R) of:	No. of Bags	Contents of bag should not cover more than: (sq. ft.)	Weight per sq. ft. of installed insulation should not be less than: (lbs./sq.ft.)	Installed insulation should not be less than: (inches)	Installed insulation should not be less than: (inches)
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

For Minnesota installations, refer to our InsulSafe SP Minnesota Builders Statement (publication 30-24-303). Initial installed thickness testing per ASTM C1374 using Unisul VoluMatic III; 4th gear; 15-inch gate opening; 150 ft. x 4-inch diameter internally corrugated blowing hose.

RETROFIT CAVITY COVERAGE CHART

When properly installed with pneumatic equipment in existing sidewalls or floored attics (closed cavity), the following thermal performance is achieved at the weights and coverages specified:

R-VALUE	NO. BAGS PER 1,000 SQ.FT. NET AREA	MAXIMUM NET COVERAGE	MINIMUM WEIGHT	MINIMUM THICKNESS
To obtain a thermal resistance (R) of:	No. of Bags	Contents of bag should not cover more than: (sq. ft.)	Weight per sq. ft. of installed insulation should not be less than: (lbs./sq.ft.)	Installed insulation should not be less than: (inches)
29	31.2	32.1	0.967	7.25
22	23.6	42.3	0.733	5.50
16	17.2	58.2	0.533	4.00
15	16.1	62.0	0.500	3.75
14	15.1	66.4	0.467	3.50

For technical information or R-value recommendations for your region, call 800-233-8990 or visit our website at: www.certainteed.com • Fax-on-Demand service: 800-947-0057