

Residential and Commercial Loosefill Insulation Products



Submittal Form

This Submittal Form is provided to assist you in specifying and selecting the proper CertainTeed Insulation products. Basic product descriptions and performance data are included. For further information or technical assistance, contact your local CertainTeed representative.

Submitted to: _____ Job name: _____

Submitted by: _____ Date: _____

Loosefill Products

InsulSafe® SP

Fiberglass blowing insulation for pneumatic application in open attics or closed cavities. Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. Is noncombustible, meeting criteria of ASTM E136.

OPEN ATTIC APPLICATION

R-Values	Minimum Packages per Area	Maximum Coverage per Package	Minimum Weight per Unit Area	Initial Installed Thickness	Minimum Settled Thickness
<i>To obtain thermal resistance (R) of:</i>	<i>Packages per 1,000 sq. ft.:</i>	<i>Contents of bag should not cover more than (sq. ft.):</i>	<i>Weight per sq. ft. of installed insulation should not be less than:</i>	<i>Installed insulation should not be less than (inches):</i>	<i>Installed Insulation should not be less than (inches):</i>
11	5.0	200.5	0.155	4.50	4.50
13	5.9	170.4	0.182	5.25	5.25
19	8.6	116.2	0.267	7.50	7.50
22	9.9	101.4	0.306	8.50	8.50
26	11.8	84.8	0.366	10.00	10.00
30	13.8	72.5	0.427	11.50	11.50
38	17.9	55.7	0.556	14.50	14.50
44	20.8	48	0.646	16.50	16.50
49	23.5	42.6	0.727	18.25	18.25
60	28.9	34.5	0.897	21.75	21.75

CLOSED CAVITY APPLICATIONS

Initial Installed Thickness/ Framing	R-Values	Design Density	Maximum Coverage per Package	Minimum Packages per Area	Minimum Weight per Unit Area
<i>Installed insulation should not be less than (inches):</i>	<i>To obtain thermal resistance (R) of:</i>	<i>lbs./ft.³</i>	<i>Contents of bag should not cover more than (sq. ft.):</i>	<i>Packages per 1,000 sq. ft.:</i>	<i>Weight per sq. ft. of installed insulation should not be less than:</i>

WALLS

3 1/2" (2X4)	14	1.2	88.6	11.3	0.350
3 1/2" (2X4)	15	1.6	66.4	15.1	0.467
5 1/2" (2X6)	22	1.2	56.4	17.7	0.550
5 1/2" (2X6)	23	1.4	48.3	20.7	0.642
5 1/2" (2X6)	24	1.8	37.6	26.6	0.825

FLOORS

7 1/4" (2X8)	31	1.6	32.1	31.2	0.967
9 1/4" (2X10)	38	1.4	28.7	34.8	1.079
11 1/4" (2X12)	45	1.2	27.6	36.3	1.125

CATHEDRAL

7 1/4" (2X8)	31	1.6	32.1	31.2	0.967
9 1/4" (2X10)	40	1.8	22.3	44.8	1.388
11 1/4" (2X12)	48	1.6	20.7	48.4	1.500

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; 3rd gear; 12-inch gate opening; 150-ft. x 3-inch diameter internally corrugated blowing hose, 2.0 psi.

OPTIMA[®] System

System including OPTIMA premium fiberglass blowing insulation and OPTIMA non-woven fabric or equivalent for closed cavity or MidFloor applications. Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. Is noncombustible, meeting criteria of ASTM E136.

CLOSED CAVITY APPLICATIONS

Initial Installed Thickness/ Framing	R-Values	Design Density	Maximum Coverage per Package	Minimum Packages per Area	Minimum Weight per Unit Area
<i>Installed insulation should not be less than (inches):</i>	<i>To obtain thermal resistance (R) of:</i>	<i>lbs./ft.³</i>	<i>Contents of bag should not cover more than (sq. ft.):</i>	<i>Packages per 1,000 sq. ft.:</i>	<i>Weight per sq. ft. of installed insulation should not be less than:</i>

SIDEWALL

3 1/2" (2X4)	14	1.2	88.6	11.3	0.350
3 1/2" (2X4)	15	1.5	70.9	14.1	0.438
5 1/2" (2X6)	21	1.2	56.4	17.7	0.550
5 1/2" (2X6)	24	1.8	37.6	26.6	0.825
7 1/4" (2X8)	29	1.2	42.8	23.4	0.725
7 1/4" (2x8)	31	1.6	32.1	31.2	0.967

HIGH PERFORMANCE

3 1/2" (2X4)	15	2.3	46.2	21.6	0.671
4" (2X4)	18	2.3	40.4	24.7	0.767
5 1/2" (2X6)	25	2.3	29.4	34.0	1.054
7 1/4" (2X8)	32	2.3	22.3	44.8	1.390
9 1/4" (2X10)	41	2.3	17.5	57.2	1.773

TJI TRUSSES

9.5	40	1.6	24.5	40.9	1.267
11.875	50	1.6	19.6	51.1	1.583
14	59	1.6	16.6	60.2	1.867
16	68	1.6	14.5	68.8	2.133

MIDFLOOR

8	28	0.8	58.1	17.2	0.53
10	35	0.8	46.5	21.5	0.67
12	42	0.8	38.8	25.8	0.80
14	49	0.8	33.2	30.1	0.93
15	53	0.8	31.0	32.3	1.00
16	56	0.8	29.1	34.4	1.07
17	60	0.8	27.4	36.6	1.13
18	63	0.8	25.8	38.7	1.20
19	67	0.8	24.5	40.9	1.27
20	71	0.8	23.3	43.0	1.33
21	74	0.8	22.1	45.2	1.40
22	78	0.8	21.1	47.3	1.47
23	81	0.8	20.2	49.5	1.53
24	85	0.8	19.4	51.6	1.60

Installation

CertainTeed will accept no responsibility when the product is not installed in accordance with the product label. Stated R-value is provided by installing the required number of bags at a thickness not less than the labeled minimum thickness. Installation of the required number of bags may yield more than the specified minimum thickness. Failure by the installer to provide both the required bags and at least the minimum thickness will result in lower insulation R-value.

NFPA 13

The National Fire Protection Association (NFPA) document NFPA 13, Standard for the Installation of Fire Sprinkler Systems, is referenced in both the ICC Intl. Building Code and Intl. Residential Code. Section 9.2.1.17 of the 2019 edition of the standard states, "Concealed spaces filled with noncombustible insulation shall not require sprinkler protection."

Compliance

InsulSafe SP and OPTIMA Insulation conforms to the product requirements of the following:

- ASTM C764, Type I
- ASTM C687 and ASTM C518
- ASTM E136



CertainTeed

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