



**GUARDIAN  
INSULATION**



# Fiberglass Insulation Product Specifications

# RESIDENTIAL PRODUCT LINE - BATTS

## PRE-CUT BATTS - UNFACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15" x 93" 15" x 105" 23" x 94"	Batts	20	9	193.75	GR3	7 35276 16059 1
			Batts	20	9	218.75	GRN83	7 35276 16335 6
			Batts	18	6	270.25	GR6	7 35276 16089 8
R-13	3 5/8"	15" x 48" 15" x 93" 15" x 105" 23" x 94"	Batts	32	9	160.00	GR10	7 35276 16020 1
			Batts	16	9	155.00	GR11	7 35276 16033 1
			Batts	16	9	175.00	GRN183	7 35276 16422 3
			Batts	16	6	240.22	GR15	7 35276 16044 7
R-15*	3 5/8"	15" x 47" 15" x 94"	Batts*	18	9	88.12	GR706	7 35276 16108 6
			Batts	9	9	88.12	GR742	7 35276 16418 6
R-19**	6 1/4"	15" x 48" 15" x 93" 15" x 105" 19" x 94" 23" x 48" 23" x 94"	Batts	20	12	100.00	GR110	7 35276 26411 4
			Batts	10	12	96.87	GR303	7 35276 26412 1
			Batts	10	12	109.40	GRN155	7 35276 26413 8
			Batts	10	8	124.00	GRN195	7 35276 26418 3
			Batts	20	8	153.33	GR111	7 35276 26419 0
			Batts	10	8	150.14	GR105	7 35276 26420 6
R-21*	5 1/2"	15" x 47" 15" x 94" 19" x 94" 23" x 47" 23" x 94"	Batts	12	12	58.75	GR736	7 35276 26810 5
			Batts	6	12	58.75	GRN166	7 35276 26813 6
			Batts	6	8	74.39	GR142	7 35276 27458 8
			Batts	12	8	90.08	GR737	7 35276 26841 9
			Batts	6	8	90.08	GRN165	7 35276 26843 3
R-25	8 1/2"	24" x 48"	Batts	14	8	112.00	GR115	7 35276 26853 2
R-30*	8 1/4"	15" x 48" 23" x 48"	Batts	12	12	60.00	GR703	7 35276 26833 4
			Batts	12	8	92.00	GR702	7 35276 26856 3
R-30	10"	16" x 48" 19" x 48" 24" x 48"	Batts	10	15	53.33	GR106	7 35276 26799 3
			Batts	10	8	63.33	GRN141	7 35276 16256 4
			Batts	10	8	80.00	GR107	7 35276 16029 4
R-38*	10 1/2"	15" x 48" 23" x 48"	Batts	8	12	40.00	GR715	7 35276 26836 5
			Batts	8	8	61.33	GR716	7 35276 26857 0
R-38	12"	16" x 48" 24" x 48"	Batts	8	12	42.67	GR223	7 35276 16303 5
			Batts	8	8	64.00	GR224	7 35276 16304 2

## PRO-CUT BATTS - UNFACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15" x 94" 23" x 94"	Pro-Cut Batts	9	18	88.12	GR116	7 35276 16158 1
			Pro-Cut Batts	9	10	135.12	GR117	7 35276 16156 7
R-13	3 5/8"	15" x 94"	Pro-Cut Batts	9	18	88.12	GR120	7 35276 16151 2
R-19**	6 1/4"	15" x 94" 23" x 94"	Pro-Cut Batts	5	18	48.96	GR122	7 35276 16153 6
			Pro-Cut Batts	5	10	75.07	GR124	7 35276 16155 0

\* R-Best High Density Product.

\*\* R-19 insulation Installed in a 5 1/2" cavity will be compressed and yield R-17 to R-18.

# RESIDENTIAL PRODUCT LINE - BATTS

## PRE-CUT BATTS - KRAFT FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15 1/4" x 93"	Batts***	20	9	196.98	GR26	7 35276 25805 2
		15 1/4" x 105"	Batts***	20	9	220.40	GR187	7 35276 25808 3
		23" x 94"	Batts	18	6	270.25	GR31	7 35276 16061 4
R-13	3 5/8"	15" x 48"	Batts	32	9	160.00	GR34	7 35276 16067 6
		15 1/4" x 93"	Batts***	16	9	157.58	GR57	7 35276 25751 2
		15 1/4" x 105"	Batts***	16	9	177.92	GR58	7 35276 25764 2
		23" x 48"	Batts	32	6	245.33	GR38	7 35276 16071 3
		23" x 94"	Batts	16	6	240.22	GR39	7 35276 16072 0
R-15*	3 5/8"	15 1/4" x 93"	Batts***	9	9	88.64	GR747	7 35276 25809 0
R-19**	6 1/2"	15" x 48"	Batts	20	12	100.00	GR102	7 35276 26425 1
		15 1/4" x 93"	Batts***	10	12	98.49	GR59	7 35276 26410 7
		15 1/4" x 105"	Batts***	10	12	111.20	GR186	7 35276 26426 8
		19" x 48"	Batts	20	8	126.67	GRN122	7 35276 26432 9
		23" x 48"	Batts	20	8	153.33	GR112	7 35276 26433 6
		23" x 94"	Batts	10	8	150.14	GR109	7 35276 26434 3
R-20	5 1/2"	15 1/4" x 93"	Batts***	7	12	68.90	GR201	7 35276 27575 2
R-21*	5 1/2"	15 1/4" x 93"	Batts***	6	12	59.09	GR168	7 35276 26809 9
		23" x 47"	Batts	12	6	90.08	GR739	7 35276 16377 6
		23" x 94"	Batts	6	8	90.08	GRN170	7 35276 26844 0
R-22	7 1/2"	15" x 48"	Batts	16	12	80.00	GR86	7 35276 26825 9
		15" x 94"	Batts	8	12	78.33	GR87	7 35276 26826 6
		23" x 48"	Batts	16	8	122.67	GR88	7 35276 26850 1
R-30*	8 1/4"	15" x 48"	Batts	12	12	60.00	GR700	7 35276 26832 7
		23" x 48"	Batts	12	8	92.00	GR701	7 35276 26855 6
R-30	10"	12" x 48"	Batts	20	8	80.00	GRN69	7 35276 16321 9
		16" x 48"	Batts	10	15	53.33	GR56	7 35276 26800 6
		19" x 48"	Batts	10	8	63.33	GR37	7 35276 16070 6
		24" x 48"	Batts	10	8	80.00	GR108	7 35276 16031 7
R-38*	10 1/2"	15" x 48"	Batts	8	12	40.00	GR717	7 35276 26837 2
		23" x 48"	Batts	8	8	61.33	GR718	7 35276 26858 7
R-38	12"	11" x 48"	Batts	8	8	50.67	GR44 #	7 35276 16077 5
		16" x 48"	Batts	8	12	42.67	GR446	7 35276 16301 1
		24" x 48"	Batts	8	8	64.00	GR447	7 35276 16302 8

## PRO-CUT BATTS - KRAFT FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15" x 94"	Pro-Cut Batts	9	18	88.12	GR114	7 35276 16038 6
		23" x 94"	Pro-Cut Batts	9	10	135.12	GR215	7 35276 16157 4
R-13	3 5/8"	15" x 94"	Pro-Cut Batts	9	18	88.12	GR119	7 35276 16150 5
		23" x 94"	Pro-Cut Batts	8	10	120.11	GR125	7 35276 16451 3
R-19**	6 1/2"	15" x 94"	Pro-Cut Batts	5	18	48.96	GR121	7 35276 16152 9
		23" x 94"	Pro-Cut Batts	5	10	75.07	GR123	7 35276 16154 3

\* R-Best High Density Product.

\*\* R-19 insulation installed in a 5 1/2" cavity will be compressed and yield R-17 to R-18.

\*\*\* STAPLE OPTIONAL Wall Batts.

# Restricted Shipping Plants

# RESIDENTIAL PRODUCT LINE - BATTS

## PRE-CUT BATTS - FOIL FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-30	10"	16" x 48"	Batts	10	15	53.33	GRF529	7 35276 26801 3
		24" x 48"	Batts	10	8	80.00	GRF530	7 35276 16206 9
R-38	12"	24" x 48"	Batts	8	8	64.00	GRF538	7 35276 16306 6

# FATT BATT

## PRE-CUT BATTS - UNFACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-49	15"	16" x 48"	Batts	6	12	32.00	GR602	7 35276 25818 2
		24" x 48"	Batts	6	8	48.00	GR600	7 35276 25816 8

## PRE-CUT BATTS - KRAFT FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-49	15"	16" x 48"	Batts	6	12	32.00	GR603	7 35276 25819 9
		24" x 48"	Batts	6	8	48.00	GR601	7 35276 25817 5

# SILL SEALER

## SILL SEALER

THICKNESS	SIZE OF PCS	#PCS/ BAG	SF/PKG.	PRODUCT CODE	UPC CODE
1"	3 1/2" x 43'	7	87.50	GR91	7 35276 16230 4
1"	6 1/2" x 75'	4	150.00	GR92	7 35276 16231 1

# BASEMENT WALL INSULATION

## WHITE POLYPROPYLENE SCRIM KRAFT (PSK) - PERFORATED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS/ ROLLS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	88" x 50'	Roll	1	4	366.50	GLW88	7 35276 25217 3
		48" x 70' 6"	Roll	1	4	282.00	GLW11	7 35276 24186 3

## SILVER FOIL SCRIM KRAFT (FSK) - PERFORATED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS/ ROLLS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	88" x 50'	Roll	1	4	366.50	GLF88	7 35276 25232 6
		48" x 70' 6"	Roll	1	4	282.00	GLF11	7 35276 24185 6

Also available in 72" width and different lengths upon special request. Bundled in packages of four for shipment.

This product has been tested and complies with ASTM E 84, ASTM E 136, ASTM C 665, ASTM E 96, ASTM C 518.

**IF YOU CANNOT FIND A PRODUCT  
CONTACT YOUR INSIDE SALESPERSON  
1-800-748-0035**

# RESIDENTIAL PRODUCT LINE - ROLLS

## POLY ROLLS - UNFACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	ROLLS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	12" X 70' 6"	Poly Roll	2	8	141.00	GRN29 #	7 35276 16282 3
		15" x 40'	Poly Roll (Mini)	1	27	50.00	GU405	7 35276 18035 3
		15" x 70' 6"	Poly Roll	1	12	88.12	GU150	7 35276 18004 9
		23" x 70' 6"	Poly Roll	1	8	135.12	GU151 #	7 35276 18005 6
R-13 #	3 5/8"	15" x 62' 8"	Poly Roll	1	12	78.33	GU152 #	7 35276 18006 3
		23" x 62' 8"	Poly Roll	1	8	120.11	GU153 #	7 35276 18007 0
R-19**	6 1/4"	12" x 39' 2"	Poly Roll	2	8	78.31	GU312	7 35276 18025 4
		15" x 24'	Poly Roll (Mini)	1	27	30.00	GU401 #	7 35276 18031 5
		15" x 39' 2"	Poly Roll	1	12	48.96	GU154	7 35276 18008 7
		19" x 39' 2"	Poly Roll	1	8	62.01	GRN12	7 35276 16241 0
		23" x 39' 2"	Poly Roll	1	8	75.07	GU155	7 35276 18009 4
R-25	8 1/2"	15" x 17' 6"	Poly Roll (Mini)	1	27	22.00	GU467 #	7 35276 18047 6
		15" x 25'	Poly Roll	1	12	31.25	GU167	7 35276 18019 3

## POLY ROLLS - KRAFT FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	ROLLS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15" x 40'	Poly Roll (Mini)	1	27	50.00	GU400	7 35276 18030 8
		15" x 70' 6"	Poly Roll	1	12	88.12	GU156	7 35276 18010 0
		23" x 70' 6"	Poly Roll	1	8	135.12	GU157	7 35276 18011 7
R-13	3 5/8"	12" x 39' 2"	Poly Roll	2	8	78.33	GRN64 #	7 35276 16316 5
		15" x 32'	Poly Roll (Mini)	1	27	40.00	GU413	7 35276 18043 8
		15" x 62' 8"	Poly Roll	1	12	78.33	GU158	7 35276 18012 4
		23" x 62' 8"	Poly Roll	1	8	120.11	GU159	7 35276 18013 1
R-19**	6 1/2"	15" x 24'	Poly Roll (Mini)	1	27	30.00	GU404	7 35276 18034 6
		15" x 39' 2"	Poly Roll	1	12	48.96	GU160	7 35276 18014 8
		23" x 24'	Poly Roll (Mini)	1	18	46.00	GU406 #	7 35276 18036 0
		23" x 39' 2"	Poly Roll	1	8	75.07	GU161	7 35276 18015 5
R-25	8 1/2"	23" x 25'	Poly Roll	1	8	47.92	GU170	7 35276 18022 3

## POLY ROLLS - FOIL FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	ROLLS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	15" x 70' 6"	POLY ROLL	1	12	88.12	GUF250 #	7 35276 18051 3
R-13	3 5/8"	15" x 62' 8"	POLY ROLL	1	12	78.33	GUF252	7 35276 18053 7

**NOT ALL PRODUCTS ARE AVAILABLE  
IN ALL LOCATIONS**

# Restricted Shipping Plants

\*\* R-19 insulation installed in a 5 1/2" cavity will be compressed and yield R-17 to R-18.

# COMMERCIAL PRODUCT LINE - BATTS

## BATTS - UNFACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-8	2 5/8"	16" x 96" 24" x 96"	Batts	24	12	256.00	GC49	7 35276 26805 1
			Batts	24	8	384.00	GC50	7 35276 26838 9
R-11	3 1/2"	16" x 96" 24" x 96" 24" x 96"	Batts	20	9	213.33	GC7	7 35276 05035 9
			Batts	36	6	288.00	GC4	7 35276 05022 9
			Batts	18	6	288.00	GC45	7 35276 05028 1
R-13	3 5/8"	16" x 96" 24" x 48"	Batts	16	9	170.67	GC8	7 35276 05036 6
			Batts	28	6	224.00	GC5	7 35276 05031 1
R-19**	6 1/4"	16" x 96" 24" x 96"	Batts	10	12	106.67	GC53	7 35276 26471 8
			Batts	20	8	160.00	GC55	7 35276 26476 3
R-30	10"	16" x 48" 24" x 48"	Batts	10	15	53.33	GR106	7 35276 26799 3
			Batts	10	8	80.00	GR107	7 35276 16029 4
R-38	12"	16" x 48" 24" x 48"	Batts	8	12	42.67	GR223	7 35276 16303 5
			Batts	8	8	64.00	GR224	7 35276 16304 2

## BATTS - KRAFT FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	16" x 96" 24" x 48" 24" x 96"	Batts	20	9	213.33	GC17	7 35276 05007 6
			Batts	36	6	288.00	GC14	7 35276 05004 5
			Batts	18	6	288.00	GC48	7 35276 05029 8
R-13	3 5/8"	16" x 96"	Batts	16	9	170.67	GC18	7 35276 05008 3
R-19**	6 1/2"	16" x 48" 16" x 96" 24" x 48" 24" x 96"	Batts	16	9	85.33	GC13 #	7 35276 05003 8
			Batts	10	12	106.67	GC57	7 35276 26479 4
			Batts	20	8	160.00	GC59	7 35276 26485 5
			Batts	10	8	160.00	GC63	7 35276 26487 9
R-30	10"	16" x 48" 24" x 48"	Batts	10	15	53.33	GR56	7 35276 26800 6
			Batts	10	8	80.00	GR108	7 35276 16031 7
R-38	12"	16" x 48" 24" x 48"	Batts	8	12	42.67	GR446	7 35276 16301 1
			Batts	8	8	64.00	GR447	7 35276 16302 8

## BATTS - FOIL FACED

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	16" x 96" 24" x 96"	Batts	20	9	213.33	GCF604 #	7 35276 05043 4
			Batts	18	6	288.00	GCF605	7 35276 05044 1
R-13	3 5/8"	16" x 96"	Batts	16	9	170.67	GCF607 #	7 35276 05046 5
R-19**	6 1/2"	16" x 96"	Batts	10	12	106.67	GCF58	7 35276 26484 8
R-30	10"	16" x 48" 24" x 48"	Batts	10	15	53.33	GCF529	7 35276 26801 3
			Batts	10	8	80.00	GCF530	7 35276 16209 9
R-38	12"	24" x 48"	Batts	8	8	64.00	GRF538	7 35276 16306 6

# Restricted Shipping Plants

\*\* R-19 insulation Installed in a 5 1/2" cavity will be compressed and yield R-17 to R-18.

# COMMERCIAL PRODUCT LINE - BATTS

## FS25 - RATED BATTS

R-VALUE (Pre-Installed)	THICKNESS	WIDTH x LENGTH	BATTS	#PCS/ BAG	#BAGS/ MSTR. PK.	SF/PKG.	PRODUCT CODE	UPC CODE
R-11	3 1/2"	16" x 96" 24" x 96"	Batts	13	9	138.60	GX114C	7 35276 15102 5
			Batts	13	6	208.00	GX115C	7 35276 15103 2
R-13	3 5/8"	16" x 96"	Batts	13	9	138.60	GX116C	7 35276 29039 7
R-19**	6 1/2"	16" x 96" 24" x 96"	Batts	10	12	106.67	GX123	7 35276 26489 3
			Batts	10	8	160.00	GX124	7 35276 26490 9
R-30	10"	16" x 48" 24" x 48"	Batts	10	12	53.33	GX302	7 35276 29027 4
			Batts	10	8	80.00	GX301	7 35276 29025 0
R-38	12"	24" x 48"	Batts	8	8	64.00	GX3824	7 35276 24092 7

\*\* R-19 insulation installed in a 5-1/2" cavity will be compressed and yield R-17 to R-18.

# METAL BUILDING INSULATION

## FACED METAL BUILDING INSULATION(1) (PRE-INSTALLED R-VALUES)

R-VALUE (Pre-Installed)	NOMINAL THICKNESS	WIDTHS
N/A	Condensation Blanket	48", 72"
R-10	3"	36", 48", 60", 72"
R-11	3 1/2"	36", 48", 60", 72"
R-13	4"	36", 48", 60", 72"
R-19	6"	36", 48", 60", 72"
R-25	8"	36", 48", 60", 72"
R-30	10"	36", 48", 60", 72"

## UNFACED METAL BUILDING INSULATION(2) (PRE-INSTALLED R-VALUES)

R-VALUE (Pre-Installed)	NOMINAL THICKNESS	WIDTHS
N/A	Condensation Blanket	48", 72"
R-10	3"	36", 48", 60", 72"
R-11	3 1/2"	36", 48", 60", 72"
R-13	4"	36", 48", 60", 72"
R-19	6"	36", 48", 60", 72"
R-25	8"	36", 48", 60", 72"
R-30	10"	36", 48", 60", 72"

(1) This product has been tested and complies with ASTM C 665, ASTM E 84 and C 991.

(2) This product has been tested and complies with ASTM C 665 and ASTM E 84. Additional widths of unfaced insulation available. Please see your sales representative for details.

# LOOSE-FILL FIBERGLASS INSULATION

## OPEN ATTIC COVERAGE INFORMATION<sup>1</sup>

**GR00CB**

R-VALUE	BAGS PER 1000 SQ. FT.	MAXIMUM COVERAGE	MINIMUM WEIGHT	INITIAL INSTALLED THICKNESS	MINIMUM SETTLED THICKNESS
To obtain an insulation resistance (R)	No. of bags per 1000 ft <sup>2</sup> shall not be less than:	Contents of bag shall not cover more than: (ft <sup>2</sup> )	Weight per square foot shall not be less than: (lbs/ft <sup>2</sup> )	Installed insulation shall not be less than: (in)	Installed insulation shall not be less than: (in)
60	33.3	30	1.155	21.75	21.75
49	26.3	38	0.925	18.25	18.25
44	23.2	43	0.822	16.75	16.75
38	20.0	50	0.701	14.75	14.75
30	15.4	65	0.541	12.00	12.00
26	13.3	75	0.462	10.75	10.75
22	11.6	86	0.385	9.25	9.25
19	10.0	100	0.327	8.25	8.25
13	6.7	150	0.212	6.00	6.00
11	5.8	172	0.173	5.25	5.25

For pneumatic application only. This product is designed to be installed using appropriate machines. The machine settings supplied by the manufacturer for this equipment should be used carefully in order to get optimum results. The equipment must be designed for fiberglass and has to have an effective shredding section, a controlled feed section and sufficient air volume to achieve the desired result.

To achieve stated R-values, the insulation must be installed at these minimal thicknesses and maximum coverages. Failure to install both the required bags and at least the minimum thickness will lower R-value. Net coverage includes framing. Not for exposed applications. Insulation should not be installed over eave vents or near light fixtures or other heat generating devices.

Supercube II nominal bag weight - 35 lbs., minimum 33 lbs.<sup>1</sup>See product details for machine and settings used to derive the initial installed thickness.

## CLOSED CAVITY COVERAGE INFORMATION (PERFECT FILL<sup>®</sup>)

**GR00CB**

THERMAL RESISTANCE R	THICKNESS (in)	FRAMING	MINIMUM DENSITY lbs/ft <sup>3</sup>	BAGS PER 1000 SQ. FT.	MINIMUM WEIGHT lbs/ft <sup>2</sup>	MAXIMUM COVERAGE ft <sup>2</sup> Per Bag
15	3.50	2 x 4	2.2	18	0.64	55
24	5.50	2 x 6	2.2	29	1.01	35
31	7.25	2 x 8	2.2	38	1.33	26
40	9.25	2 x 10	2.2	48	1.70	21
51	11.875	ENG. I-JOIST	2.2	62	2.18	16
60	14.00	ENG. I-JOIST	2.2	73	2.57	14
69	16.00	ENG. I-JOIST	2.2	84	2.93	12

This product meets all requirements of ASTM C764, Type 1.

# STABILIZED FIBERGLASS ATTIC INSULATION



## OPEN ATTIC COVERAGE INFORMATION<sup>1</sup>

**GR00SR**

R-VALUE	BAGS PER 1000 SQ. FT.	MAXIMUM COVERAGE	MINIMUM WEIGHT	INSTALLED THICKNESS
To obtain an insulation resistance (R) of:	No. of bags per 1000 ft <sup>2</sup> shall not be less than:	Contents of bag shall not cover more than: (ft <sup>2</sup> )	Weight per square foot shall not be less than: (lbs/ft <sup>2</sup> )	Installed insulation shall not be less than: (in)
60	45	22	1.336	19.50
49	37	27	1.094	16.00
44	33	30	0.998	14.25
38	28	35	0.849	12.25
30	23	44	0.683	9.75
22	16	61	0.489	7.00
21	15	67	0.448	6.75
19	14	71	0.425	6.25
13	10	101	0.297	4.25
11	9	117	0.255	3.50

This product meets all requirements of ASTM C764, Type 1.

<sup>1</sup>See product details for machine and settings used to derive the initial installed thickness.



# ATTIC GUARD® PLUS LOOSE-FILL FIBERGLASS INSULATION



## OPEN ATTIC COVERAGE INFORMATION<sup>1</sup>

## GR00AGP

R-VALUE	BAGS PER 1000 SQ. FT.	MAXIMUM COVERAGE	MINIMUM WEIGHT	INITIAL INSTALLED THICKNESS	MINIMUM SETTLED THICKNESS
To obtain an insulation resistance (R)	No. of bags per 1000 ft <sup>2</sup> shall not be less than:	Contents of bag shall not cover more than: (ft <sup>2</sup> )	Weight per square foot shall not be less than: (lbs/ft <sup>2</sup> )	Installed insulation shall not be less than: (in)	Installed insulation shall not be less than: (in)
60	34.9	29	1.141	20.75	20.75
49	26.9	37	0.887	17.25	17.25
44	23.8	42	0.787	15.50	15.50
38	20.2	49	0.668	13.50	13.50
30	15.5	65	0.510	10.875	10.875
26	13.3	75	0.438	9.625	9.625
22	10.9	92	0.360	8.375	8.375
19	9.2	109	0.303	7.375	7.375
13	6.3	159	0.207	5.00	5.00
11	5.3	190	0.173	4.25	4.25

For pneumatic application only. This product is designed to be installed using appropriate machines. The machine settings supplied by the manufacturer for this equipment should be used carefully in order to get optimum results. The equipment must be designed for fiberglass and has to have an effective shredding section, a controlled feed section and sufficient air volume to achieve the desired result.

To achieve stated R-values, the insulation must be installed at these minimal thicknesses and maximum coverages. Failure to install both the required bags and at least the minimum thickness will lower R-value. Net coverage includes framing. Not for exposed applications. Insulation should not be installed over eave vents or near light fixtures or other heat generating devices.

Attic Guard PLUS nominal bag weight - 33 lbs.<sup>1</sup> See product details for machine and settings used to derive the initial installed thickness.



## CLOSED CAVITY COVERAGE INFORMATION (PERFECT FILL)<sup>1</sup>

## GR00AGP

R-VALUE	INITIAL INSTALLED THICKNESS	FRAMING	MINIMUM DENSITY	BAGS PER 1000 SQ. FT.	MINIMUM WEIGHT PER SQ. FT.	MAXIMUM COVERAGE
To obtain an ins. resistance (R) of:	Installed insulation shall not be less than: (in)	For a standard framing size of:	Weight per cubic foot shall not be less than: (lbs/ft <sup>3</sup> )	No. of bags per 1000 ft <sup>2</sup> shall not be less than:	Weight per square foot shall not be less than: (lbs/ft <sup>2</sup> )	Contents of bag shall not cover more than: (ft <sup>2</sup> )
15	3.50	2 x 4	2.0	17.7	0.58	56.6
24	5.50	2 x 6	2.0	27.8	0.92	36.0
31	7.25	2 x 8	2.0	36.6	1.21	27.3
40	9.25	2 x 10	2.0	46.7	1.54	21.4
51	11.875	ENG. I-JOIST	2.0	60.0	1.98	16.7
60	14.00	ENG. I-JOIST	2.0	70.7	2.33	14.1
69	16.00	ENG. I-JOIST	2.0	80.8	2.67	12.4

Closed cavity applications can be difficult to judge material usage during installation since fiberglass is compression filled in the cavity. Make sure you are monitoring material usage as the job progresses, so that the proper number of bags are being installed. For pneumatic application only. This product meets the requirements of ASTM C 764 Type 1.

## MINNESOTA LOOSE-FILL INSULATION REQUIREMENTS

The manufacturer recommends that ATTIC GUARD PLUS loose-fill fiberglass insulation be installed to the specific weights and coverages listed in the ATTIC GUARD PLUS coverage chart (above) and the Winter Design Insulation Requirements chart (below) with pneumatic equipment to comply with Minnesota Rules Chapter 7670. The chart below indicates the extra insulation which must be installed to obtain label R-values at winter design temperature conditions.

### MINNESOTA WINTER DESIGN INSULATION REQUIREMENTS

Winter Design Temperature (Degrees F)	R-38		R-44		R-50	
	Extra Depth (Inches)	Extra Bags Per 1000 Sq. Ft.	Extra Depth (Inches)	Extra Bags Per 1000 Sq. Ft.	Extra Depth (Inches)	Extra Bags Per 1000 Sq. Ft.
-17°	0"	0	0"	0	.5"	1.2
-22°	.5"	1	1"	2	1.5"	3.2

### MINNESOTA WINTER DESIGN TEMPERATURES\*

Alberta Lea	-17°	Faribault	-17°	Rochester	-17°
Alexandria	-22°	Fergus Falls	-21°	St. Cloud	-15°
Bemidji	-31°	International Falls	-29°	Virginia	-25°
Brainerd	-20°	Mankato	-17°	Wilmar	-15°
Duluth	-21°	Minneapolis/St. Paul	-16°	Winona	-14°

\*99% Winter Design Temperatures from 1989 ASHRAE Handbook of Fundamentals.

# SPRAY-ON FIBERGLASS INSULATION



## ULTRAFIT DS PLUS / ASURE R PLUS

## GR00FD / GR00RD

THERMAL RESISTANCE R	THICKNESS (in)	DENSITY lbs/ft <sup>3</sup>	NUMBER BAGS PER 1000 ft <sup>2</sup>	MINIMUM WEIGHT lbs/ft <sup>2</sup>	MAXIMUM COVERAGE ft <sup>2</sup> Per Bag
R-14	3.50 (2 x 4)	1.6	14.7	0.47	68
R-22	5.50 (2 x 6)	1.6	23.1	0.73	43
R-29	7.25 (2 x 8)	1.6	30.5	0.97	33
R-37	9.25 (2 x 10)	1.6	38.9	1.23	26
R-15	3.50 (2 x 4)	1.9	18.5	0.55	54
R-24	5.50 (2 x 6)	1.9	29.1	0.87	34
R-31	7.25 (2 x 8)	1.9	38.4	1.15	26
R-40	9.25 (2 x 10)	1.9	49.0	1.46	20

Not intended for exposed applications. This product has been tested and meets the criteria set forth by ICC ESR-2968. It also complies with ASTM C1014 for spray insulation products; ASTM C764 - pneumatically-applied loosefill mineral fiber insulation; ASTM E136 -combustibility; ASTM E84 -flame spread (FS) & smoke developed (SD) -- FS <25 / SD <50; ASTM C1338 -fungi resistance.

# LOOSE-FILL FIBERGLASS NETTING SYSTEM



## PERFECT FILL

## GR00PFD

THERMAL RESISTANCE R	THICKNESS (in)	FRAMING	DENSITY lbs/ft <sup>3</sup>	NUMBER BAGS PER 1000 ft <sup>2</sup>	MINIMUM WEIGHT lbs/ft <sup>2</sup>	MAXIMUM COVERAGE ft <sup>2</sup> Per Bag
R-15	3.50	2 x 4	1.9	17	0.55	58
R-24	5.50	2 x 6	1.9	27	0.87	37
R-31	7.25	2 x 8	1.9	36	1.15	28
R-40	9.25	2 x 10	1.9	46	1.46	22
R-51	11.875	ENG. I-JOIST	1.9	59	1.88	17
R-60	14.00	ENG. I-JOIST	1.9	69	2.22	14
R-69	16.00	ENG. I-JOIST	1.9	79	2.53	13

Closed cavity applications can be difficult to judge material usage during installation since fiberglass is compression filled in the cavity. Make sure you are monitoring material usage as the job progresses so that the proper number of bags are being installed. For pneumatic application only. Not for exposed applications. Insulation should not be installed over eave vents. Thermal resistance values are determined in accordance with ASTM C687. This product meets all requirements of ASTM C764, Type 1.

# SPRAY FOAM/FIBERGLASS HYBRID SYSTEM



## ATS - CLOSED CELL APPLICATION

TOTAL SYSTEM R-VALUE	FRAMING	1/2" SPRAY FOAM R-VALUE	MANUFACTURED BATT R-Value	INSTALLED BATT R-Value <sup>1</sup>	ULTRAFIT DS PLUS OR ASURE R PLUS R-Value
R-13	2 x 4	R-3	R-11	R-10	R-13
R-15			R-13	R-12	
R-16					
R-19	2 x 6	R-3	R-19	R-16	R-22
R-22			R-21	R-19	
R-25					
R-24	2 x 8	R-3	R-21	R-21	R-29
R-32					
R-33					
R-41	2 x 10	R-3	R-30C	R-30C	R-38
R-41					
R-49					
R-41	2 x 12	R-3	R-38C	R-38C	R-46
R-49					

<sup>1</sup>R-value based upon compressed thickness, not in-place testing.

**IF YOU CANNOT FIND A PRODUCT  
CONTACT YOUR INSIDE SALESPERSON  
1-800-748-0035**

# SHIPPING POLICY

## REGULAR FREIGHT TERMS:

### TRUCKLOAD MINIMUM FOR GUARDIAN FIBERGLASS

1. Guardian reserves the right to ship only full trucks. All variable items must be specified to enable shipment of full visible capacity loads.
2. The loading table below gives approximate units per full visible truckload. To compute mixed load quantities, multiply the number of master packages of each item ordered by the factors shown under the column "Master Pack % of Mixed 53' Truck" for the type of product ordered. This computation will give you a percentage of those items ordered. A full truckload will equal 100%.
3. Service on less than full truckload orders (minimum ½ truck) may be subject to a stop-off charge and will be accepted under the following stopover and out-of-route policy:
  - a. Only the first stopover destination can be given a promised delivery time.
  - b. To facilitate full capacity loads, a variable item must be specified on each stopover.
  - c. The plant will assist in consolidations in compliance with published price and carrier regulations.
  - d. Stop-off points must be intermediate via a route acceptable to carrier. Consult the Customer Service office for full details on stop-off points.

## LOADING DATA

### MASTER PACKAGING

PRODUCT	NUMBER PER MASTER PACK	AVG. MASTER PACKS PER 53' TRUCK	MASTER PACK % OF MIXED 53' TRUCK <sup>a</sup>
15" R-13 PRO-CUT BATTS (88.12 SF/PKG)	18	56	1.786
23" R-13 PRO-CUT BATTS (120.11 SF/PKG)	10	56	1.786
15" R-11/R-19 PRO-CUT BATTS (88.12/48.96 SF/PKG)	24	56	1.786
23" R-11/R-19 PRO-CUT BATTS (135.12/75.07 SF/PKG)	12	56	1.786
15"/16" BATTS	9 <sup>b</sup>	56	1.786
23"/24" BATTS	6 <sup>c</sup>	56	1.786
15"/16" POLY ROLLS	12	56	1.786
23"/24" POLY ROLLS	8	56	1.786
15"/16" MINI-ROLLS	27	56	1.786
23"/24" MINI-ROLLS	18	56	1.786
SILL SEALER		325 <sup>d</sup>	1.786
ATTIC GUARD PLUS*		1050 <sup>d</sup>	0.102
SUPERCUBE II*		1050 <sup>d</sup>	0.102
SUPERCUBE HD*		1050 <sup>d</sup>	0.102
ULTRAFIT DS PLUS*		1050 <sup>d</sup>	0.102
ASURE R PLUS*		1050 <sup>d</sup>	0.102
STABLE R*		1050 <sup>d</sup>	0.102

- a. For other truck lengths (number of master packs and % of mixed truck date will vary), contact your Sales Representative.  
 b. R-8, R-19 contractor/commercial batts, R-21, R-22, R-25, R-30, R-38 and R-49 packed (12)/Master Pack.  
 c. R-8, R-19 contractor/commercial batts, R-21, R-22, R-25, R-30, R-38 and R-49 packed (8)/Master Pack.  
 d. Not shipped in master packed quantities.

- \* Loose-fill fiberglass insulation for machine applications only.  
 \*\* Loose-fill fiberglass insulation no machines required to install.

**NOT ALL PRODUCTS ARE AVAILABLE  
IN ALL LOCATIONS**

# R-VALUE INFORMATION

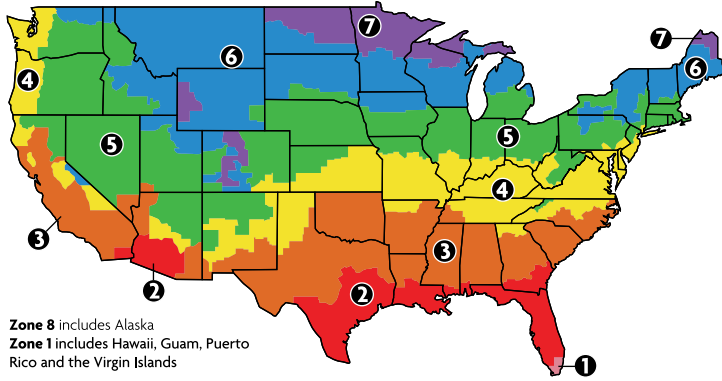
Insulation is specified by its thermal resistance or R-value. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power.

The amount of insulation you need depends mainly on climate, type of heating (gas, oil, electricity) you use, and the area of the house you plan to insulate.

The U.S. Dept. of Energy has established minimum recommended insulation R-values for 7 distinct parts of the country, or insulation zones.

## FIND THE R-VALUES FOR YOUR ZONE.

If you live on the border between two zones, choose the higher rather than the lower values.



## R-VALUES FOR NEW WOOD-FRAMED HOUSES

Insulation Zone	Heating System	Attic	Cathedral Ceiling	Wall		Floor
				Cavity	Insulation Sheathing	
1	All	R-30 to R-49	R-22 to R-28	R-13 to R-15	None	R-13
2	Gas, Oil, Heat Pump, Electric Furnace	R-30 to R-60	R-22 to R-38	R-13 to R-15	None	R-13 R-19 to R-25
3	Gas, Oil, Heat Pump, Electric Furnace	R-30 to R-60	R-22 to R-38	R-13 to R-15	None R-2.5 to R-5	R-25
4	Gas, Oil, Heat Pump, Electric Furnace	R-38 to R-60	R-30 to R-38	R-13 to R-15	R-2.5 to R-6 R-5 to R-6	R-25 to R-30
5	Gas, Oil, Heat Pump, Electric Furnace	R-38 to R-60	R-30 to R-38 R-30 to R-60	R-13 to R-15 R-13 to R-21	R-2.5 to R-6 R-5 to R-6	R-25 to R-30
6	All	R-49 to R-60	R-30 to R-60	R-13 to R-21	R-5 to R-6	R-25 to R-30
7 & 8	All	R-49 to R-60	R-30 to R-60	R-13 to R-21	R-5 to R-6	R-25 to R-30

## R-VALUES FOR EXISTING WOOD-FRAMED HOUSES

Insulation Zone	Add Insulation To Attic		Floor
	Uninsulated Attic	Existing 3-4 Inches Of Insulation	
1	R-30 to R-49	R-25 to R-30	R-13
2	R-30 to R-60	R-25 to R-38	R-13 to R-19
3	R-30 to R-60	R-25 to R-38	R-19 to R-25
4	R-38 to R-60	R-38	R-25 to R-30
5	R-49 to R-60	R-38 to R-49	R-25 to R-30
6	R-49 to R-60	R-38 to R-49	R-25 to R-30
7 & 8	R-49 to R-60	R-38 to R-49	R-25 to R-30

### WALL INSULATION: WHENEVER EXTERIOR SIDING IS REMOVED ON AN -

#### Uninsulated wood-frame wall:

- Drill holes in the sheathing and blow insulation into the empty wall cavity before installing the new siding
- Zones 3-4: Add R-5 insulative wall sheathing beneath the new siding
- Zones 5-8: Add R-5 to R-6 insulative wall sheathing beneath the new siding.

#### Insulated wood-frame wall:

- Zones 4 to 8; Add R-5 insulative sheathing before installing the new siding.



Not all Guardian products are GREENGUARD Certified. See applicable product specifications for details, or visit [UL.COM/GG](http://UL.COM/GG) to view our certified products.

Not all products are available in all locations



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 800-748-0035 · 800-748-0437  
[www.guardianbp.com](http://www.guardianbp.com)