

800-722-6218

# STAR R FOAM

## Roof Insulation R-Value

## Tapered Insulation

R-Values and Thicknesses @75° F*						
StarRfoam EPS	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
R-Value	3.86"	4.11"	4.29"	4.76"	4.8"	4.9"
R-1	0.3"	0.3"	0.3"	0.3"	0.3"	0.3"
R-2	0.5"	0.5"	0.5"	0.4"	0.4"	0.4"
R-3	0.8"	0.7"	0.7"	0.6"	0.6"	0.6"
R-4	1.0"	1.0"	0.9"	0.8"	0.8"	0.8"
R-5	1.3"	1.2"	1.2"	1.1"	1.0"	1.0"
R-6	1.6"	1.5"	1.4"	1.3"	1.3"	1.2"
R-7	1.8"	1.7"	1.6"	1.5"	1.5"	1.4"
R-8	2.1"	1.9"	1.9"	1.7"	1.7"	1.6"
R-9	2.3"	2.2"	2.1"	1.9"	1.9"	1.8"
R-10	2.6"	2.4"	2.3"	2.1"	2.1"	2.0"
R-11	2.8"	2.7"	2.6"	2.3"	2.3"	2.2"
R-12	3.1"	2.9"	2.8"	2.5"	2.5"	2.4"
R-13	3.4"	3.2"	3.0"	2.7"	2.7"	2.7"
R-14	3.6"	3.4"	3.3"	2.9"	2.9"	2.9"
R-15	3.9"	3.6"	3.5"	3.2"	3.1"	3.1"
R-16	4.1"	3.9"	3.7"	3.4"	3.3"	3.3"
R-17	4.4"	4.1"	4.0"	3.6"	3.5"	3.5"
R-18	4.7"	4.4"	4.2"	3.8"	3.8"	3.7"
R-19	4.9"	4.6"	4.4"	4.0"	4.0"	3.9"
R-20	5.2"	4.9"	4.7"	4.2"	4.2"	4.1"
R-21	5.4"	5.1"	4.9"	4.4"	4.4"	4.3"
R-22	5.7"	5.4"	5.1"	4.6"	4.6"	4.5"
R-23	6.0"	5.6"	5.4"	4.8"	4.8"	4.7"
R-24	6.2"	5.8"	5.6"	5.0"	5.0"	4.9"
R-25	6.5"	6.1"	5.8"	5.3"	5.2"	5.1"
R-26	6.7"	6.3"	6.1"	5.5"	5.4"	5.3"
R-27	7.0"	6.6"	6.3"	5.7"	5.6"	5.5"
R-28	7.3"	6.8"	6.5"	5.9"	5.8"	5.7"
R-29	7.5"	7.1"	6.8"	6.1"	6.0"	5.9"
R-30	7.8"	7.3"	7.0"	6.3"	6.3"	6.1"
R-35	9.1"	8.5"	8.2"	7.4"	7.3"	7.1"
R-38	9.8"	9.2"	8.9"	8.0"	7.9"	7.8"
R-40	10.4"	9.7"	9.3"	8.4"	8.3"	8.2"

\*Per ASTM-C-578 tolerances are +/- 1/16" on thickness

\*R-Values and Thicknesses @75 F\*

✓ **StarRfoam Tapered EPS can be cut from 1/8" to 48" thick:**

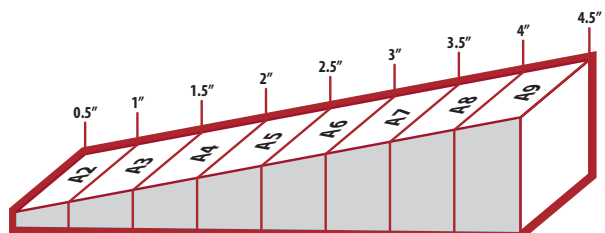
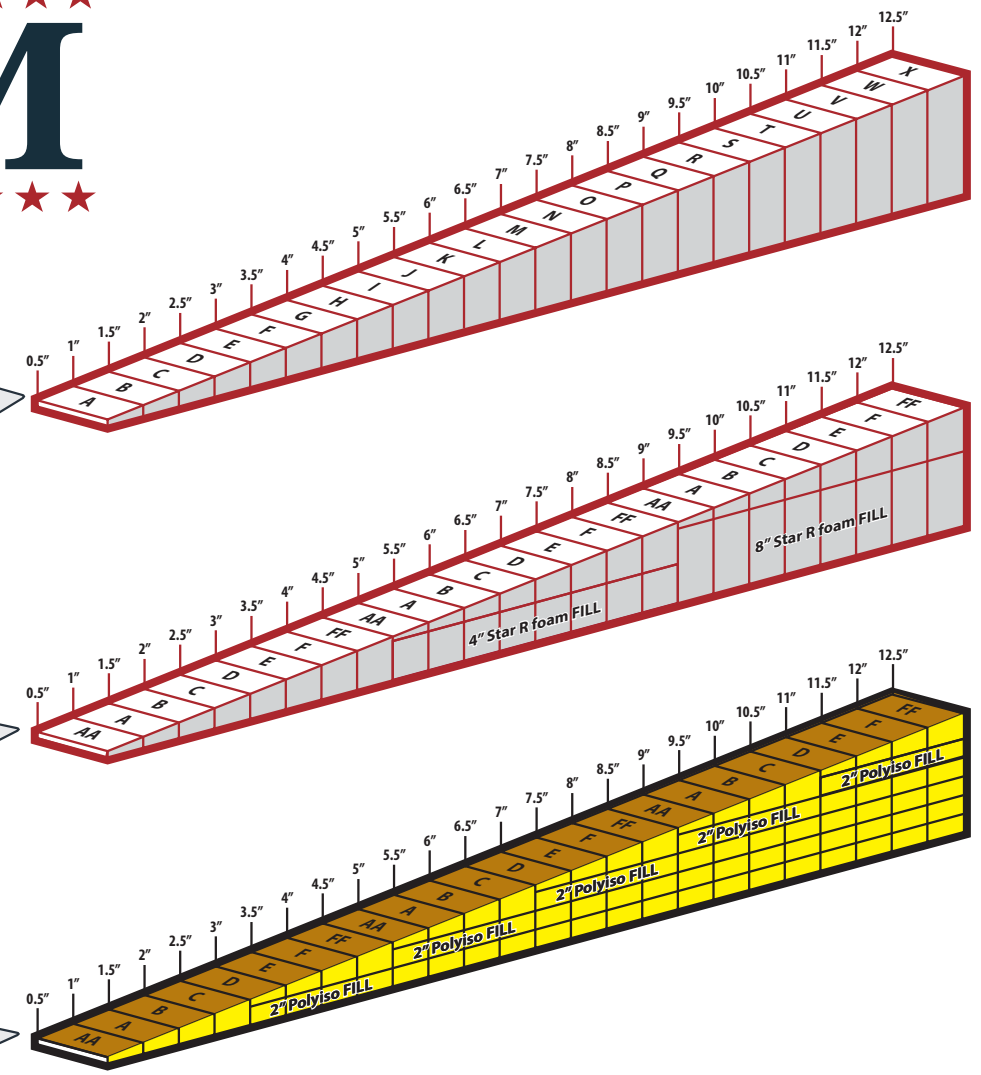
- Cost savings verses ISO
- Eliminates the need for fill layers
- Reduces Labor required for layers of fill
- Drastically reduces fasteners and adhesives for attachment
- Waste is 100% recyclable reducing dump fees
- Applied squares are the same as field squares plus cricket squares up to 48" thick
- Stable R-value throughout the life of the product
- Can be used with many of your existing manufacturers

✓ **StarRfoam Tapered EPS with fill can be cut from 1/8" to 48" thick:**

- Cost savings verses ISO
- Drastically reduces fasteners and adhesives for attachment
- Reduces Labor
- Waste is 100% recyclable reduced dump fees
- Stable R-value throughout the life of the product
- Can be used with many of your existing manufacturers

✗ **Polyisocyanurate by others shown for comparison:**

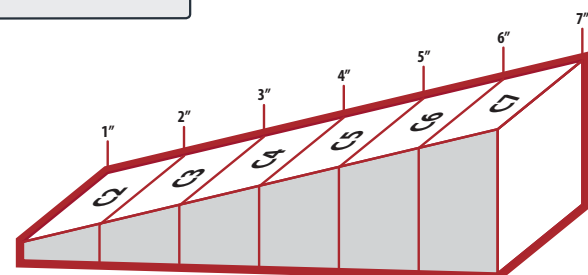
- Fill layers needed increasing applied squares
- Increased labor
- Increased fasteners and adhesives needed for attachment
- Waste increases dumpster fees
- R-Value degrades over time



A Panels - 1/8" per foot

Panel Designation	From (inches)	To (inches)	Average Thickness (inches)
A1	0*	1/2	1/4
A2	1/2	1	3/4
A3	1	1 1/2	1 1/4
A4	1 1/2	2	1 3/4
A5	2	2 1/2	2 1/4
A6	2 1/2	3	2 3/4
A7	3	3 1/2	3 1/4
A8	3 1/2	4	3 3/4
A9	4	4 1/2	4 1/4
A10	4 1/2	5	4 3/4
A11	5	5 1/2	5 1/4
A12	5 1/2	6	5 3/4

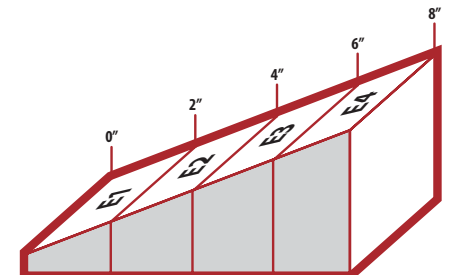
\* Zero (0) dimensions are a nominal 1/8" actual.



C Panels - 1/4" per foot

Panel Designation	From (inches)	To (inches)	Average Thickness (inches)
C1	0* 1	1	1/2
C2	1	2	1 1/2
C3	2	3	2 1/2
C4	3	4	3 1/2
C5	4	5	4 1/2
C6	5	6	5 1/2
C7	6	7	6 1/2
C8	7	8	7 1/2
C9	8	9	8 1/2
C10	9	10	9 1/2
C11	10	11	10 1/2
C12	11	12	11 1/2

\* Zero (0) dimensions are a nominal 1/8" actual.



E Panels - 1/2" per foot

Panel Designation	From (inches)	To (inches)	Average Thickness (inches)
E 1	0*	2	1
E 2	2	4	3
E 3	4	6	5
E 4	6	8	7
E 5	8	10	9
E 6	10	12	11
E 7	12	14	13
E 8	14	16	15
E 9	16	18	17
E10	18	20	19
E11	20	22	21
E12	22	24	23

\* Zero (0) dimensions are a nominal 1/8" actual.

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