



**FOAM INSULATORS**

For more information about EnergyGuard Foam Insulators, please contact:  
713.861.FOAM (3626)  
energyguardfoam.com

**Conductive Heat Flow Resistance of DEMILEC foam using Fourier's steady-state heat flow equation.**

<b>SEAL ECTION™ 500</b>					
Based on a temperature delta of 40°F and an insulated area of 1,000 ft²					
Thickness in inches	Outside air film	Inside air film	R-value	Heat flow (kBtu)	Heat flow reduction (%)
0	0.17	0.68	0	47,058.82	0.00%
1	0.17	0.68	3.81	8,583.69	81.76%
2	0.17	0.68	7.62	4,722.55	89.96%
3	0.17	0.68	11.43	3,257.33	93.08%
3.5	0.17	0.68	13.34	2,818.89	94.01%
4	0.17	0.68	15.24	2,486.02	94.72%
5	0.17	0.68	19.05	2,010.05	95.73%
5.5	0.17	0.68	20.96	1,834.02	96.10%
6	0.17	0.68	22.86	1,687.05	96.42%
7	0.17	0.68	26.67	1,453.49	96.91%
8	0.17	0.68	30.48	1,276.73	97.29%
9	0.17	0.68	34.29	1,138.30	97.58%
10	0.17	0.68	38.1	1,026.96	97.82%

  

<b>SEAL ECTION AGRIBALANCE™</b>					
Based on a temperature delta of 40°F and an insulated area of 1,000 ft²					
Thickness in inches	Outside air film	Inside air film	R-value	Heat flow (kBtu)	Heat flow reduction (%)
0	0.17	0.68	0	47058.82	0.00%
1	0.17	0.68	4	8247.42	82.50%
2	0.17	0.68	8	4519.77	90.40%
3	0.17	0.68	12	3112.84	93.40%
3.5	0.17	0.68	14	2693.6	94.30%
4	0.17	0.68	16	2373.89	95.00%
5	0.17	0.68	20	1918.47	95.90%
5.5	0.17	0.68	22	1750.55	96.30%
6	0.17	0.68	24	1609.66	96.60%
7	0.17	0.68	28	1386.48	97.10%
8	0.17	0.68	32	1217.66	97.40%
9	0.17	0.68	36	1085.48	97.70%
10	0.17	0.68	40	979.19	97.90%

  

<b>HEATLOK SOY™</b>					
Based on a temperature delta of 40°F and an insulated area of 1,000 ft²					
Thickness in inches	Outside air film	Inside air film	R-value	Heat flow (kBtu)	Heat flow reduction (%)
0	0.17	0.68	0	47058.82	0.00%
1	0.17	0.68	6.6	5369.13	88.60%
1.5	0.17	0.68	9.9	3720.93	92.10%
1.75	0.17	0.68	11.55	3225.81	93.10%
2	0.17	0.68	13.2	2846.98	94.00%
2.25	0.17	0.68	14.85	2547.77	94.60%
2.5	0.17	0.68	16.5	2305.48	95.10%
2.75	0.17	0.68	18.15	2105.26	95.50%
3	0.17	0.68	19.8	1937.05	95.90%
3.25	0.17	0.68	21.45	1793.72	96.20%
3.5	0.17	0.68	23.1	1670.15	96.50%
3.75	0.17	0.68	24.75	1562.5	96.70%
4	0.17	0.68	26.4	1467.89	96.90%
4.5	0.17	0.68	29.7	1309.33	97.20%
5	0.17	0.68	33	1181.68	97.50%
5.5	0.17	0.68	36.3	1076.72	97.70%
6	0.17	0.68	39.6	988.88	97.90%