

ENERGY RATINGS - U.S.A.

Window Style (Model)	U.S.A. Energy Star Program										
	Zone Legend: N - Northern, N/C - North/Central, S/C - South/Central, S - Southern										
	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value		"R" Value
N		N/C	S/C	S	(Imperial)				(Imperial)		
Casement #1171	DUAL LITE										
	Clear – air – clear	N/A	N/A	N/A	N/A	0.51	0.54	46	0.41	2.44	
	Clear – air – clear, grille	N/A	N/A	N/A	N/A	0.46	0.49	46	0.41	2.44	
	Clear – air – LOF (3)	●				0.50	0.51	56	0.32	3.13	
	Clear – air – LOF, grille	●				0.46	0.46	56	0.32	3.13	
	Clear – argon – LOF (3)	●				0.51	0.51	59	0.29	3.45	
	Clear – argon – LOF, grille	●				0.46	0.46	59	0.29	3.45	
	Clear – argon/krypton – LOF (3)	●				0.51	0.51	59	0.29	3.45	
	Clear – argon/krypton – LOF, grille	●				0.46	0.46	59	0.29	3.45	
	Solar "e" – air – clear (2)		●			0.31	0.35	56	0.32	3.13	
	Solar "e" – air – clear, grille		●			0.28	0.32	56	0.32	3.13	
	Bronze – air – clear	N/A	N/A	N/A	N/A	0.41	0.40	46	0.41	2.44	
	Bronze – air – clear, grille	N/A	N/A	N/A	N/A	0.37	0.36	46	0.41	2.44	
	Bronze – argon – clear	N/A	N/A	N/A	N/A	0.41	0.40	47	0.39	2.56	
	Bronze – argon – clear, grille	N/A	N/A	N/A	N/A	0.37	0.36	47	0.39	2.56	
	Bronze – argon/krypton – clear	N/A	N/A	N/A	N/A	0.41	0.40	47	0.39	2.56	
	Bronze – argon/krypton – clear, grille	N/A	N/A	N/A	N/A	0.37	0.36	47	0.39	2.56	
	Bronze – air – LOF (3)		●			0.38	0.36	56	0.32	3.13	
	Bronze – air – LOF, grille		●			0.34	0.33	56	0.32	3.13	
	Bronze – argon – LOF (3)	●	●			0.38	0.36	59	0.29	3.45	
	Bronze – argon – LOF, grille	●	●			0.34	0.33	59	0.29	3.45	
	Bronze – argon/krypton – LOF (3)	●	●			0.38	0.36	59	0.29	3.45	
	Bronze – argon/krypton – LOF, grille	●	●			0.34	0.33	59	0.29	3.45	
	Grey – air – clear	N/A	N/A	N/A	N/A	0.39	0.36	46	0.41	2.44	
	Grey – air – clear, grille	N/A	N/A	N/A	N/A	0.36	0.33	46	0.41	2.44	
	Grey – argon – clear	N/A	N/A	N/A	N/A	0.39	0.36	47	0.39	2.56	
	Grey – argon – clear, grille	N/A	N/A	N/A	N/A	0.36	0.33	47	0.39	2.56	
	Grey – argon/krypton – clear	N/A	N/A	N/A	N/A	0.39	0.36	47	0.39	2.56	
	Grey – argon/krypton – clear, grille	N/A	N/A	N/A	N/A	0.36	0.33	47	0.39	2.56	
	Grey – air – LOF (3)		●			0.36	0.33	56	0.32	3.13	
	Grey – air – LOF, grille		●			0.33	0.30	56	0.32	3.13	
	Grey – argon – LOF (3)	●	●			0.36	0.33	59	0.29	3.45	
	Grey – argon – LOF, grille	●	●			0.32	0.30	59	0.29	3.45	
	Grey – argon/krypton – LOF (3)	●	●			0.36	0.33	59	0.29	3.45	
	Grey – argon/krypton – LOF, grille	●	●			0.32	0.30	59	0.29	3.45	
	366 – air – clear (2)	●	●	●	●	0.19	0.42	59	0.29	3.45	
	366 – air – clear, grille	●	●	●	●	0.17	0.38	59	0.29	3.45	
	366 – argon – clear (2)	●	●	●	●	0.18	0.42	63	0.26	3.85	
	366 – argon – clear, grille	●	●	●	●	0.17	0.38	63	0.26	3.85	
	366 – argon/krypton – clear (2)	●	●	●	●	0.18	0.42	63	0.26	3.85	
	366 – argon/krypton – clear, grille	●	●	●	●	0.17	0.38	63	0.26	3.85	

Centre of Glass	
"U" Value (Imperial)	"R" Value (Imperial)
0.480	2.08
0.480	2.08
0.337	2.97
0.337	2.97
0.297	3.37
0.297	3.37
0.297	3.37
0.297	3.37
0.337	2.97
0.337	2.97
0.480	2.08
0.480	2.08
0.455	2.20
0.455	2.20
0.455	2.20
0.455	2.20
0.335	2.99
0.335	2.99
0.294	3.40
0.294	3.40
0.294	3.40
0.294	3.40
0.480	2.08
0.480	2.08
0.455	2.20
0.455	2.20
0.455	2.20
0.455	2.20
0.335	2.99
0.335	2.99
0.294	3.40
0.294	3.40
0.294	3.40
0.291	3.44
0.291	3.44
0.243	4.12
0.243	4.12
0.243	4.12
0.243	4.12

ENERGY RATINGS - U.S.A.

Window Style (Model)	U.S.A. Energy Star Program									
	Zone Legend: N - Northern, N/C - North/Central, S/C - South/Central, S - Southern									
	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"R" Value
N		N/C	S/C	S	(Imperial)				(Imperial)	
Casement #1171	TRIPLE LITE									
	Clear – argon – clear – argon – LOF (5)	•				0.46	0.47	67	0.24	4.17
	Clear – argon – clear – argon – LOF, grille	•				0.42	0.42	67	0.24	4.17
	Clear – argon – LOF – argon – LOF (3&5)	•				0.44	0.44	71	0.21	4.76
	Clear – argon – LOF – argon – LOF, grille	•	•			0.40	0.40	71	0.21	4.76
	Clear – argon/krypton – clear – argon/krypton – LOF (5)	•				0.46	0.47	67	0.24	4.17
	Clear – argon/krypton – clear – argon/krypton – LOF, grille	•				0.42	0.42	67	0.24	4.17
	Clear – argon/krypton – LOF – argon/krypton – LOF (3&5)	•				0.44	0.44	71	0.21	4.76
	Clear – argon/krypton – LOF – argon/krypton – LOF, grille	•	•			0.40	0.40	71	0.21	4.76
	Clear – krypton – clear – krypton – LOF (5)	•				0.46	0.47	70	0.22	4.55
	Clear – krypton – clear – krypton – LOF, grille	•				0.42	0.42	70	0.22	4.55
	Clear – krypton – LOF – krypton – LOF (3&5)	•				0.44	0.44	75	0.19	5.26
	Clear – krypton – LOF – krypton – LOF, grille	•	•			0.40	0.40	75	0.19	5.26
	Bronze – argon – clear – argon – clear	•	•			0.36	0.36	61	0.29	3.45
	Bronze – argon – clear – argon – clear, grille	•	•			0.33	0.33	61	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear	•	•			0.36	0.36	61	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear, grille	•	•			0.33	0.33	61	0.29	3.45
	Bronze – krypton – clear – krypton – clear	•	•			0.36	0.36	63	0.27	3.70
	Bronze – krypton – clear – krypton – clear, grille	•	•			0.33	0.33	63	0.27	3.70
	Bronze – argon – clear – argon – LOF (5)	•	•			0.33	0.33	67	0.24	4.17
	Bronze – argon – clear – argon – LOF, grille	•	•	•		0.30	0.30	67	0.24	4.17
	Bronze – argon/krypton – clear – argon/krypton – LOF (5)	•	•			0.33	0.33	67	0.24	4.17
	Bronze – argon/krypton – clear – argon/krypton – LOF, grille	•	•	•		0.30	0.30	67	0.24	4.17
	Bronze – krypton – clear – krypton – LOF (5)	•	•			0.33	0.33	70	0.22	4.55
	Bronze – krypton – clear – krypton – LOF, grille	•	•	•		0.30	0.30	70	0.22	4.55
	Bronze – argon – LOF – argon – LOF (3&5)	•	•			0.31	0.31	71	0.21	4.76
	Bronze – argon – LOF – argon – LOF, grille	•	•	•		0.29	0.28	71	0.21	4.76
	Bronze – argon/krypton – LOF – argon/krypton – LOF (3&5)	•	•			0.31	0.31	71	0.21	4.76
	Bronze – argon/krypton – LOF – argon/krypton – LOF, grille	•	•	•		0.29	0.28	71	0.21	4.76
	Bronze – krypton – LOF – krypton – LOF (3&5)	•	•			0.31	0.31	75	0.19	5.26
	Bronze – krypton – LOF – krypton – LOF, grille	•	•	•		0.29	0.28	75	0.19	5.26

Centre of Glass	
"U" Value	"R" Value
(Imperial)	(Imperial)
0.225	4.44
0.225	4.44
0.181	5.52
0.181	5.52
0.220	4.55
0.220	4.55
0.175	5.71
0.175	5.71
0.190	5.26
0.190	5.26
0.143	6.99
0.143	6.99
0.305	3.28
0.305	3.28
0.301	3.32
0.301	3.32
0.277	3.61
0.277	3.61
0.224	4.46
0.224	4.46
0.218	4.59
0.218	4.59
0.188	5.32
0.188	5.32
0.179	5.59
0.179	5.59
0.173	5.78
0.173	5.78
0.141	7.09
0.141	7.09

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	Zone Legend: N - Northern, N/C - North/Central, S/C - South/Central, S - Southern									
	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"R" Value
N		N/C	S/C	S	(Imperial)				(Imperial)	
Casement #1171	TRIPLE LITE									
	Grey – argon – clear – argon – clear	●	●			0.35	0.33	61	0.29	3.45
	Grey – argon – clear – argon – clear, grille	●	●			0.32	0.30	61	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear	●	●			0.35	0.33	61	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear, grille	●	●			0.32	0.30	61	0.29	3.45
	Grey – krypton – clear – krypton – clear	●	●			0.35	0.33	63	0.27	3.70
	Grey – krypton – clear – krypton – clear, grille	●	●			0.32	0.30	63	0.27	3.70
	Grey – argon – clear – argon – LOF (5)	●	●			0.32	0.30	67	0.24	4.17
	Grey – argon – clear – argon – LOF, grille	●	●	●		0.29	0.27	67	0.24	4.17
	Grey – argon/krypton – clear – argon/krypton – LOF (5)	●	●			0.32	0.30	67	0.24	4.17
	Grey – argon/krypton – clear – argon/krypton – LOF, grille	●	●	●		0.29	0.27	67	0.24	4.17
	Grey – krypton – clear – krypton – LOF (5)	●	●			0.32	0.30	70	0.22	4.55
	Grey – krypton – clear – krypton – LOF, grille	●	●	●		0.29	0.27	70	0.22	4.55
	Grey – argon – LOF – argon – LOF (3&5)	●	●	●		0.30	0.28	71	0.21	4.76
	Grey – argon – LOF – argon – LOF, grille	●	●	●	●	0.27	0.25	71	0.21	4.76
	Grey – argon/krypton – LOF – argon/krypton – LOF (3&5)	●	●	●		0.30	0.28	71	0.21	4.76
	Grey – argon/krypton – LOF – argon/krypton – LOF, grille	●	●	●	●	0.27	0.25	71	0.21	4.76
	Grey – krypton – LOF – krypton – LOF (3&5)	●	●	●		0.30	0.28	75	0.19	5.26
	Grey – krypton – LOF – krypton – LOF, grille	●	●	●	●	0.27	0.25	75	0.19	5.26
	366 – argon – clear – argon – clear (2)	●	●	●	●	0.17	0.38	68	0.22	4.55
	366 – argon – clear – argon – clear, grille	●	●	●	●	0.16	0.34	68	0.23	4.35
	366 – argon/krypton – clear – argon/krypton – clear (2)	●	●	●	●	0.17	0.38	69	0.22	4.55
	366 – argon/krypton – clear – argon/krypton – clear, grille	●	●	●	●	0.16	0.34	69	0.23	4.35
366 – krypton – clear – krypton – clear (2)	●	●	●	●	0.17	0.38	71	0.20	5.00	
366 – krypton – clear – krypton – clear, grille	●	●	●	●	0.15	0.34	71	0.21	4.76	

Centre of Glass	
"U" Value	"R" Value
(Imperial)	(Imperial)

0.305	3.28
0.305	3.28
0.301	3.32
0.301	3.32
0.277	3.61
0.277	3.61
0.224	4.46
0.224	4.46
0.218	4.59
0.218	4.59
0.188	5.32
0.188	5.32
0.179	5.59
0.179	5.59
0.173	5.78
0.173	5.78
0.141	7.09
0.141	7.09
0.198	5.05
0.198	5.05
0.192	5.21
0.192	5.21
0.165	6.06
0.165	6.06