

TESTING RESULTS

	NFRC Thermal Performance							AAMA/NWWDA 101/I.S. 2-97	
	U-Factor		No Grids		Grids <1"		CRF	Air Infiltration	DP
	No Grids or < 1" Grids	with SDL spacer bar	SHGC	V.T.	SHGC	V.T.			
Legends Clad Series									
DR200									
Clear	.47	.49	.56	.59	.50	.52	43	<.01	LC40
Low E	.34	.37	.29	.51	.26	.45	54	<.01	LC40
Low E Argon	.30	.32	.28	.51	.25	.45	57	<.01	LC40
Low E Kry/Arg	.30	.32	.28	.51	.25	.45	58	<.01	LC40
DR200-PW									
Clear	.47	.47	.60	.63	.54	.56	46		
Low E Argon	.29	.30	.30	.54	.27	.48	58		
Low E Kry/Arg	.29	.31	.30	.54	.27	.48	58		
DR300									
Clear	.46	.47	.57	.59	.51	.52	43	<.01	LC40
Low E	.33	.35	.29	.51	.26	.45	54	<.01	LC40
Low E Argon	.29	.31	.28	.51	.25	.45	57	<.01	LC40
Low E Kry/Arg	.29	.31	.28	.51	.25	.45	57	<.01	LC40
DR300-PW									
Clear	.46	.47	.59	.61	.52	.54	46		
Low E Argon	.29	.30	.29	.53	.26	.47	59		
Low E Kry/Arg	.29	.31	.29	.53	.26	.47	59		
Eclipse Series									
E200									
Clear	.47	.49	.56	.59	.50	.52	43		
Low E	.34	.37	.29	.51	.26	.45	54		
Low E Argon	.30	.32	.28	.51	.25	.45	58		
Low E Kry/Arg	.31	.33	.28	.51	.25	.45	58		
E300									
Clear	.46	.47	.57	.59	.51	.52	44		
Low E	.33	.35	.29	.51	.26	.45	54		
Low E Argon	.29	.31	.28	.51	.25	.45	57		
Low E Kry/Arg	.29	.31	.28	.45	.25	.45	57	.05	R45
Casement									
C3000									
Clear	.49	.50	.56	.58	.51	.52	41		
Low E Argon	.34	.35	.28	.50	.26	.45	56		
Low E Kry/Arg	.34	.35	.28	.50	.26	.45	55	<.01	C50
C3000-PW									
Clear	.48	.49	.64	.66	.57	.59	43		
Low E Argon	.30	.32	.32	.57	.29	.51	56		
Low E Kry/Arg	.30	.32	.32	.57	.29	.51	56		
AW3000									
Clear	.50	.50	.56	.57	.51	.52	41		
Low E Argon	.34	.35	.28	.50	.26	.45	54		
Low E Kry/Arg	.34	.35	.28	.50	.26	.45	54		
C4000									
Clear	.50	.51	.56	.58	.51	.52	41		
Low E Argon	.34	.35	.28	.50	.26	.45	56		
Low E Kry/Arg	.35	.36	.28	.50	.26	.45	56		
C4000-PW									
Clear	.50	.51	.64	.66	.57	.59	40		
Low E Argon	.31	.33	.32	.57	.29	.51	53		
Low E Kry/Arg	.32	.33	.32	.57	.29	.51	53		
AW4000									
Clear	.50	.50	.56	.57	.51	.52	41		
Low E Argon	.34	.35	.28	.50	.26	.45	54		
Low E Kry/Arg	.34	.35	.28	.50	.26	.45	54		
Casement Sash Only									
Clear	.48	.49	.64	.66	.57	.59	43		
Low E Argon	.30	.31	.32	.57	.29	.51	58		
Low E Kry/Arg	.30	.32	.32	.57	.29	.51	58		

All Wood Casement									
Clear	.44	.45	.64	.66	.57	.59	45		
Low E Argon	.26	.27	.32	.57	.29	.51	61		
Low E Kry/Arg	.26	.28	.32	.57	.29	.51	60		
All Wood Awning									
Clear	*	*	*	*	*	*	*		
Low E Argon	*	*	*	*	*	*	*		
Low E Kry/Arg	*	*	*	*	*	*	*		
Liberty Series									
L200, LRS200, LRF200									
Clear	.45	.47	.55	.57	.49	.50	44	.03	R40
Low E Argon	.29	.31	.27	.49	.25	.43	58	.03	R40
Low E Kry/Arg	.29	.31	.27	.49	.25	.43	58	.03	R40
Clear TDL**	*	.46	*	*	.43	.44	44		
Low E Argon TDL**	*	.33	*	*	.22	.38	58		
Low E Kry/Arg TDL**	*	.33	*	*	.22	.38	58		
L300, LRS400, LRS500, LRF400, LRF500									
Clear	.45	.46	.53	.56	.48	.49	44	.08	LC35
Low E Argon	.29	.31	.27	.48	.24	.43	58	.08	LC35
Low E Kry/Arg	.29	.31	.27	.48	.24	.43	58	.08	LC35
Clear TDL**	*	.46	*	*	.42	.43	44		
Low E Argon TDL**	*	.33	*	*	.21	.37	58		
Low E Kry/Arg TDL**	*	.33	*	*	.21	.37	58		
Ultra-Fit Heritage & Presidential									
Clear	.46	.48	.53	.56	.48	.49	44		
Low E Argon	.30	.32	.27	.48	.24	.43	58		
Low E Kry/Arg	.30	.32	.27	.48	.24	.43	58		ASTM E330 - No glass breakage ASTM E547 - No water leakage
Clear TDL**	*	.48	*	*	.42	.43	44		
Low E Argon TDL**	*	.34	*	*	.21	.37	58		
Low E Kry/Arg TDL**	*	.34	*	*	.21	.37	58		
Ultra-Fit Federal									
Clear	*	*	*	*	*	*	*		
Low E Argon	*	*	*	*	*	*	*		
Low E Kry/Arg	*	*	*	*	*	*	*		ASTM E330 - No glass breakage ASTM E547 - No water leakage
Ultra-Fit Classic Clad									
Clear	.46	.48	.57	.59	.51	.52	43		
Low E	.33	.36	.29	.51	.26	.45	54		
Low E Argon	.29	.31	.28	.51	.25	.45	57		ASTM E330 - No glass breakage ASTM E547 - No water leakage
Low E Kry/Arg	.30	.32	.28	.51	.25	.45	57		
Versa-Frame (PW)									
Clear	.47	.48	.64	.67	.57	.59	42		
Low E Argon	.28	.30	.32	.57	.29	.51	56		
Low E Kry/Arg	.28	.30	.32	.57	.29	.51	56		
LC3000	*	*	*	*	*	*	*	*	*
LC4000	*	*	*	*	*	*	*	*	*

* Testing not complete

** Grids > 1"