

Thermal Performance Data


Premium Coastal Double Hung Windows (1104)

WEATHER SHIELD.
WINDOWS & DOORS

ENERGY PERFORMANCE DATA									ENERGY STAR			
NFRC Total Unit Calculations ^a									US ENERGY STAR V 6.0			
Grille Option	Glazing thickness	Glazing Option	CPD #	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	N	NC	SC	S	
Insulated Impact												
No GIA or SDL	3/4"	Clear Insul	WEA-N-282-00595-00001	0.48	0.52	0.58	41					
	3/4"	Insul Low-E 272	WEA-N-282-00599-00001	0.38	0.30	0.51	49					
	3/4"	Insul Low E 272 w/Argon	WEA-N-282-00613-00001	0.33	0.30	0.51	53					
	3/4"	Insul Low E 340	WEA-N-282-00603-00001	0.37	0.14	0.27	49				Y	
	3/4"	insul Low E 340 w/Argon	WEA-N-282-00617-00001	0.33	0.14	0.27	53				Y	
	3/4"	Insul Low-E 240	WEA-N-282-00601-00001	0.38	0.19	0.28	49				Y	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-282-00615-00001	0.34	0.19	0.28	53				Y	
	3/4"	Insul Low E 366 w/Argon	WEA-N-282-00619-00001	0.33	0.20	0.46	53				Y	
	3/4"	Insul Gray	WEA-N-282-00597-00001	0.48	0.38	0.36	41					
	3/4"	Insul Gray w/Argon	WEA-N-282-00611-00001	0.46	0.38	0.36	43					
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-282-00596-00001	0.49	0.47	0.52	41					
	3/4"	Insul Low-E 272	WEA-N-282-00600-00001	0.39	0.27	0.45	49					
	3/4"	Insul Low E 272 w/Argon	WEA-N-282-00614-00001	0.35	0.27	0.45	53					
	3/4"	Insul Low E 340	WEA-N-282-00604-00001	0.39	0.13	0.24	49				Y	
	3/4"	insul Low E 340 w/Argon	WEA-N-282-00618-00001	0.34	0.13	0.24	53				Y	
	3/4"	Insul Low-E 240	WEA-N-282-00602-00001	0.40	0.17	0.25	49				Y	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-282-00616-00001	0.35	0.17	0.25	53				Y	
	3/4"	Insul Low E 366 w/Argon	WEA-N-282-00620-00001	0.34	0.18	0.41	53				Y	
	3/4"	Insul Gray	WEA-N-282-00598-00001	0.49	0.34	0.32	41					
	3/4"	Insul Gray w/Argon	WEA-N-282-00612-00001	0.47	0.34	0.32	43					
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-282-00596-00002	0.49	0.41	0.45	41					
	3/4"	Insul Low-E 272	WEA-N-282-00600-00002	0.39	0.24	0.40	49				Y	
	3/4"	Insul Low E 272 w/Argon	WEA-N-282-00614-00002	0.35	0.24	0.40	53				Y	
	3/4"	Insul Low E 340	WEA-N-282-00604-00002	0.39	0.12	0.21	49				Y	
	3/4"	insul Low E 340 w/Argon	WEA-N-282-00618-00002	0.34	0.11	0.21	53				Y	
	3/4"	Insul Low-E 240	WEA-N-282-00602-00002	0.40	0.16	0.22	49				Y	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-282-00616-00002	0.35	0.15	0.22	53				Y	
	3/4"	Insul Low E 366 w/Argon	WEA-N-282-00620-00002	0.34	0.17	0.36	53				Y	
	3/4"	Insul Gray	WEA-N-282-00598-00002	0.49	0.30	0.28	41					
	3/4"	Insul Gray w/Argon	WEA-N-282-00612-00002	0.47	0.30	0.28	43					

^a Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100, NFRC 200, and NFRC 500.

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US Qualification Criteria	Climate Zone	U-Factor	*SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
		=0.30	>=0.42	
	North-Central	<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
	Southern	<=0.40	<=0.25	

* SHGC = Solar Heat Gain Coefficient
Air Leakage <= 0.3 cfm/ft²