

Thermal Performance Data


Premium Coastal Direct-Set Windows (1310)

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	1"	Clear Insul	WEA-N-281-01433-00001	0.46	0.60	0.68	43				
	1"	Insul Low-E 272	WEA-N-281-01435-00001	0.33	0.35	0.59	53				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01459-00001	0.28	0.34	0.59	56	Y	Y		
	1"	Insul Low E 340	WEA-N-281-01439-00001	0.32	0.17	0.32	53				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01463-00001	0.28	0.16	0.32	57		Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01437-00001	0.33	0.22	0.32	52				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01461-00001	0.29	0.21	0.32	56		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01477-00001	0.27	0.24	0.51	56	Y	Y	Y	Y
	1"	Insul Gray	WEA-N-281-01433-00002	0.46	0.39	0.34	43				
	1"	Insul Gray w/Argon	WEA-N-281-01457-00002	0.44	0.38	0.34	45				
Less Than 1" GIA or SDL	1"	Clear Insul	WEA-N-281-01434-00001	0.47	0.54	0.61	43				
	1"	Insul Low-E 272	WEA-N-281-01436-00001	0.34	0.32	0.53	53				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01460-00001	0.30	0.31	0.53	54		Y		
	1"	Insul Low E 340	WEA-N-281-01440-00001	0.34	0.15	0.29	53				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01464-00001	0.29	0.15	0.29	57		Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01438-00001	0.35	0.20	0.29	52				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01462-00001	0.30	0.19	0.29	53		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01478-00001	0.29	0.22	0.46	56		Y	Y	Y
	1"	Insul Gray	WEA-N-281-01434-00005	0.47	0.35	0.30	43				
	1"	Insul Gray w/Argon	WEA-N-281-01458-00005	0.45	0.35	0.30	45				
1" Or Over GIA or SDL	1"	Clear Insul	WEA-N-281-01434-00003	0.47	0.54	0.61	43				
	1"	Insul Low-E 272	WEA-N-281-01436-00002	0.34	0.28	0.47	53				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01460-00002	0.30	0.28	0.47	54		Y		
	1"	Insul Low E 340	WEA-N-281-01440-00003	0.34	0.15	0.29	53				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01464-00003	0.29	0.15	0.29	57		Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01438-00002	0.35	0.18	0.25	52				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01462-00002	0.30	0.18	0.25	53		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01478-00003	0.29	0.22	0.46	56		Y	Y	Y
	1"	Insul Gray	WEA-N-281-01434-00007	0.47	0.35	0.30	43				
	1"	Insul Gray w/Argon	WEA-N-281-01458-00007	0.45	0.35	0.30	45				

^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.

Revised 5/31/19

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