

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-281-01742-00001	0.45	0.58	0.65	43				
	1"	Insul Low-E 272	WEA-N-281-01744-00001	0.32	0.34	0.57	52				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01754-00001	0.27	0.34	0.57	55	Y	Y		
	1"	Insul Low E 340	WEA-N-281-01748-00001	0.32	0.17	0.31	52				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01758-00001	0.27	0.16	0.31	55	Y	Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01750-00001	0.32	0.22	0.30	51				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01760-00001	0.28	0.21	0.30	55		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01756-00001	0.27	0.24	0.51	55	Y	Y	Y	Y
	1"	Insul Gray	WEA-N-281-01742-00002	0.45	0.38	0.33	43				
	1"	Insul Gray w/Argon	WEA-N-281-01752-00002	0.43	0.38	0.33	44				
Less Than 1" GIA or SDL	1"	Clear Insul	WEA-N-281-01743-00001	0.46	0.52	0.58	43				
	1"	Insul Low-E 272	WEA-N-281-01745-00001	0.34	0.31	0.51	52				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01755-00001	0.29	0.31	0.51	55		Y		
	1"	Insul Low E 340	WEA-N-281-01749-00001	0.33	0.15	0.28	52				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01759-00001	0.29	0.15	0.28	55		Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01751-00001	0.34	0.20	0.27	51				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01761-00001	0.29	0.19	0.27	55		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01757-00001	0.28	0.22	0.46	56		Y	Y	Y
	1"	Insul Gray	WEA-N-281-01743-00005	0.46	0.35	0.29	43				
	1"	Insul Gray w/Argon	WEA-N-281-01753-00005	0.44	0.35	0.29	44				
1" Or Over GIA or SDL	1"	Clear Insul	WEA-N-281-01743-00002	0.46	0.47	0.52	43				
	1"	Insul Low-E 272	WEA-N-281-01745-00002	0.34	0.28	0.45	52				
	1"	Insul Low E 272 w/Argon	WEA-N-281-01755-00002	0.29	0.28	0.45	55		Y		
	1"	Insul Low E 340	WEA-N-281-01749-00002	0.33	0.14	0.25	52				Y
	1"	insul Low E 340 w/Argon	WEA-N-281-01759-00002	0.29	0.13	0.25	55		Y	Y	Y
	1"	Insul Low-E 240	WEA-N-281-01751-00002	0.34	0.18	0.24	51				Y
	1"	Insul Low-E 240 w/Argon	WEA-N-281-01761-00002	0.29	0.17	0.24	55		Y	Y	Y
	1"	Insul Low E 366 w/Argon	WEA-N-281-01757-00002	0.28	0.20	0.41	56		Y	Y	Y
	1"	Insul Gray	WEA-N-281-01743-00006	0.46	0.31	0.26	43				
	1"	Insul Gray w/Argon	WEA-N-281-01753-00006	0.44	0.31	0.26	44				

^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