


Thermal Performance Data

Premium Coastal Casement Windows (1210)

Picture/Transom


WEATHER SHIELD.

WINDOWS & DOORS

ENERGY PERFORMANCE DATA									
NFRC Total Unit Calculations ^a									
Grille Option	Glazing thickness	Glazing Option	CPD #	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	 US ENERGY STAR V 6.0 N NC SC S	
Insulated Impact									
No GIA or SDL	3/4"	Clear Insul	WEA-N-285-01289-00001	0.47	0.55	0.62	41		
	3/4"	Insul Low-E 272	WEA-N-285-01290-00001	0.35	0.32	0.54	49		
	3/4"	Insul Low E 272 w/Argon	WEA-N-285-01291-00001	0.31	0.32	0.54	53		
	3/4"	Insul Low E 340	WEA-N-285-01294-00001	0.35	0.16	0.29	50		Y
	3/4"	insul Low E 340 w/Argon	WEA-N-285-01295-00001	0.30	0.15	0.29	53	Y	Y
	3/4"	Insul Low-E 240	WEA-N-285-01296-00001	0.36	0.21	0.29	49		Y
	3/4"	Insul Low-E 240 w/Argon	WEA-N-285-01297-00001	0.31	0.20	0.29	53		Y
	3/4"	Insul Low E 366 w/Argon	WEA-N-285-01293-00001	0.30	0.22	0.49	54	Y	Y
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-285-01289-00002	0.47	0.49	0.56	41		
	3/4"	Insul Low-E 272	WEA-N-285-01290-00002	0.35	0.29	0.49	49		
	3/4"	Insul Low E 272 w/Argon	WEA-N-285-01291-00002	0.31	0.29	0.49	53		
	3/4"	Insul Low E 340	WEA-N-285-01294-00002	0.35	0.15	0.26	50		Y
	3/4"	insul Low E 340 w/Argon	WEA-N-285-01295-00002	0.30	0.14	0.26	53	Y	Y
	3/4"	Insul Low-E 240	WEA-N-285-01296-00002	0.36	0.19	0.26	49		Y
	3/4"	Insul Low-E 240 w/Argon	WEA-N-285-01297-00002	0.31	0.18	0.26	53		Y
	3/4"	Insul Low E 366 w/Argon	WEA-N-285-01293-00002	0.30	0.20	0.44	54	Y	Y
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-285-01289-00003	0.47	0.44	0.49	41		
	3/4"	Insul Low-E 272	WEA-N-285-01290-00003	0.35	0.26	0.43	49		
	3/4"	Insul Low E 272 w/Argon	WEA-N-285-01291-00003	0.31	0.26	0.43	53		
	3/4"	Insul Low E 340	WEA-N-285-01294-00003	0.35	0.13	0.23	50		Y
	3/4"	insul Low E 340 w/Argon	WEA-N-285-01295-00003	0.30	0.13	0.23	53	Y	Y
	3/4"	Insul Low-E 240	WEA-N-285-01296-00003	0.36	0.17	0.23	49		Y
	3/4"	Insul Low-E 240 w/Argon	WEA-N-285-01297-00003	0.31	0.16	0.23	53		Y
	3/4"	Insul Low E 366 w/Argon	WEA-N-285-01293-00003	0.30	0.18	0.39	54	Y	Y

^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	
 As of January 2016	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