

Quadwall Insulated Translucent Panels - U-Factors, Colors and Solar data

(2 panel assembly with no-batt insulation or inserts in cavity between panels)

U-Factors certified rating per NFRC 100:

Center of Glass ⁽¹⁾	VERTICAL WALL LIGHT U-FACTOR; Thermal Break						SKYLIGHT U-FACTOR; No Thermal Break					
	Panelized with Frame system ⁽²⁾			Seamless Flush Design with Frame System ⁽³⁾			Panelized with Frame system ⁽²⁾			Seamless Flush Design with Frame System ⁽³⁾		
	U-Factor per Alum. Finish Type			U-Factor per Alum. Finish Type			U-Factor per Alum. Finish Type			U-Factor per Alum. Finish Type		
U-Factor	Mill	Anodized	Paint	Mill	Anodized	Paint	Mill	Anodized	Paint	Mill	Anodized	Paint
0.23	0.29	0.31	0.33	0.25	0.26	0.26	0.31	0.32	0.34	0.25	0.26	0.26

Solar Performance Data:

Glazing Assembly			Solar Heat Gain Coefficient & Light Transmittance		Visible Light Reflectance		UV Trans.
Color ID No.	Exterior	Interior	SHGC	LT %	In	Out	
644/583	White	Ice White Matte	0.243	17	0.55	0.40	<1%
641/583	Clear	Ice White Matte	0.410	41	0.39	0.38	<1%
645/583	Ice White	Ice White Matte	0.348	38	0.40	0.39	<1%
583/583	Ice White Matte	Ice White Matte	0.310	36	0.40	0.40	<1%
646/583	Green	Ice White Matte	0.348	37	0.34	0.37	<1%
642/583	Bronze	Ice White Matte	0.322	24	0.27	0.36	<1%
667/583	Blue	Ice White Matte	0.322	23	0.28	0.37	<1%
642/581	Bronze	Clear Matte	0.339	27	0.28	0.39	<1%
667/581	Blue	Clear Matte	0.357	27	0.27	0.41	<1%
646/581	Green	Clear Matte	0.374	43	0.32	0.43	<1%
644/581	White	Clear Matte	0.287	18	0.53	0.33	<1%
645/581	Ice White	Clear Matte	0.374	44	0.42	0.45	<1%
583/581	Ice White Matte	Clear Matte	0.380	44	0.42	0.45	<1%
641/581	Clear	Clear Matte	0.417	52	0.43	0.43	<1%
581/581	Clear Matte	Clear Matte	0.390	50	0.43	0.43	<1%
641/593	Clear	White Matte	0.183	19	0.55	0.66	<1%
645/593	Ice White	White Matte	0.174	17	0.47	0.66	<1%
644/593	White	White Matte	0.139	7	0.59	0.67	<1%
646/593	Green	White Matte	0.174	15	0.40	0.66	<1%
667/593	Blue	White Matte	0.174	8	0.32	0.66	<1%
642/593	Bronze	White Matte	0.157	8	0.30	0.67	<1%
45/581	White Pearl Low-E	Clear Matte	0.226	30	0.51	0.46	<1%
45/583	White Pearl Low-E	Ice White Matte	0.217	24	0.38	0.49	<1%
45/593	White Pearl Low-E	White Matte	0.122	10	0.65	0.57	<1%

Footnotes:

(1) Center of Glass is without framing per NFRC

(2) System was tested as a 79" x 79" section with Aluminum framing per NFRC testing standard.

(3) System was a 12' x 24' section with Aluminum framing per NFRC standard.

Additional Comments:

a. The visible optical properties were measured using a Licor visible light meter, and a blackened TRA box, under clear sky conditions, with the sun as the energy source, following the ASTM E 972-88 standard.

b. The Solar Heat Gain Coefficients/Shading Coefficients were measured using two side-by-sides, water-flow solar calorimeters. The calorimeter test system and the procedure used follow the methodology and procedures given in the NFRC/ASTM Calorimeter Standard or the NFRC 200

c. The UV transmittance is measured using a blackened TRA box and the Epply UV Sun & Sky radiometer and the sun as the energy source.

d. Solar data are for the center of glass

e. Color tint variations affect the solar performances of the glazing. **Color tints and insulation levels may be adjusted or customized to achieve other desired solar, optical, insulation and solar heat gain coefficient performance results.**



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