

GLAZING DATA FOR POLYCARBONATE TRANSLUCENT SYSTEMS

Polycarbonate glazing materials used in Wasco Polycarbonate Translucent Systems utilize a co-extruded UV protection. All Standing Seam 626 glazing panels are UV protected on both sides. 2 Sided UV available on all other glazing panels.

Horizon LRV / Canopy Systems

POLYCARBONATE STANDING SEAM 626 GLAZING PANEL

U-Factor	0.264
R-Value	3.79
Panel Thickness	20mm (0.787")
Panel Width	600mm (23.62")
Panel Length	Up to 39'
Panel Weight	0.655 lbs/SF
Minimum Bend Radius	137.79"



PANEL COLORS	Light Transmittance %	Solar Transmittance %
Crystal (Clear)	65	68
Opal	40	45
Bronze	30	50
Green	48	53
Blue	52	56

Classic / Pinnacle Systems

POLYCARBONATE FLAT SHEET GLAZING PANELS

Available in 16mm (0.629") and 25mm (0.984") Glazing Thickness

***Allowable panel widths are dependent upon unit loading requirements**

Panel Thickness	16mm	25mm
U-Factor	0.40	0.34
R-Value	2.50	2.94
Panel Width*	*Up to 72"	*Up to 72"
Panel Length	Up to 39'	

PANEL COLORS	Light Transmittance %		Solar Transmittance %	
Panel Thickness	16mm	25mm	16mm	25mm
Clear	74	72	75	78
Opal	52	35	63	51
Bronze	37	NA	57	NA
Green	45	NA	65	NA
Blue	42	NA	60	NA

Classic / Pinnacle Systems with Nanogel®

POLYCARBONATE FLAT SHEET GLAZING PANELS

Available in 16mm (0.629") and 25mm (0.984") Glazing Thickness

***Allowable panel widths are dependent upon unit loading requirements**

Panel Thickness	16mm	25mm
U-Factor	0.22	0.14
R-Value	4.5	7.14
Panel Width*	*Up to 72"	*Up to 72"
Panel Length	Up to 20'	



PANEL COLORS	Light Transmittance %		Solar Transmittance %	
	16mm	25mm	16mm	25mm
Clear	50	--	60	--
Opal	29	--	44	--
Bronze	--	NA	--	NA
Green	--	NA	--	NA
Blue	--	NA	--	NA

Polycarbonate Glazing Test Data

	Test	Result
FLAMMABILITY		
Self-Ignition	ASTM D1929	1000° F
Burn Extent	ASTM D635-98	CC1 Rating
Interior Flame Spread & Smoke Development	ASTM E84-04 723	UL Class A Class 1
WEATHERING		
Yellowing Index	ASTM D1925	Less Than 10 Points After Loss After 10 Yrs
Color Tolerance	ASTM E308/E313/G155-05a	Pass FBC 2006 Requirements
Light Transmission	EN 410	Less Than 6% Loss After 10 Yrs
EXPANSION CONTRACTION	Linear Thermal Expansion	1/8" per 3' per 100° F
UV MAINTENANCE	Glazing panels do not require periodic recoating to maintain performance. Occasional cleaning with mild soap and water is recommended.	
HAIL IMPACT	ASTM E822-92	No damage from 1.57" diameter Hail Impact @ 65 ft/sec
U VALUE	ASTM C1363	Varies depending on Glazing Thickness. As low as 0.14 with Nanogel®