



Vinyl Series 400 and 500 Energy Performance

PGT Vinyl Series 400		PPG Solarban 60 Low-E				PPG Solarban 70XL Low-E				Cardinal 240 Solar Control Low-E			
		No Grids	GBG Grids	Contour Grids	SDL Grids	No Grids	GBG Grids	Contour Grids	SDL Grids	No Grids	GBG Grids	Contour Grids	SDL Grids
Size	Energy Criteria	Performance				Performance				Performance			
SH400 All Sizes	U-Factor	.31	.31	.31	.30	.29	.29	.29	.29	.30	.30	.30	.30
	Solar Heat Gain Coefficient (SHGC)	.30	.27	.27	.27	.21	.19	.19	.20	.20	.18	.18	.18
	Visible Light Transmittance (VT)	.56	.50	.50	.50	.50	.44	.44	.44	.31	.27	.27	.27
HR410 All Sizes	U-Factor	.30	.30	.30	.30	.29	.29	.29	.29	.30	.30	.30	.30
	Solar Heat Gain Coefficient (SHGC)	.30	.27	.27	.27	.21	.19	.19	.19	.19	.18	.18	.18
	Visible Light Transmittance (VT)	.55	.49	.49	.49	.49	.44	.44	.44	.30	.27	.27	.27
CA440-X All Sizes	U-Factor	.29	.29	.29	.29	.28	.28	.28	.28	.29	.29	.29	.29
	Solar Heat Gain Coefficient (SHGC)	.25	.22	.22	.22	.18	.16	.16	.16	.16	.15	.15	.15
	Visible Light Transmittance (VT)	.45	.40	.40	.40	.40	.36	.36	.36	.25	.22	.22	.22
CA440-O All Sizes	U-Factor	.27	.27	.28	.27	.26	.26	.26	.26	.27	.27	.28	.27
	Solar Heat Gain Coefficient (SHGC)	.29	.26	.27	.26	.21	.19	.19	.19	.19	.17	.17	.17
	Visible Light Transmittance (VT)	.54	.48	.47	.48	.48	.43	.43	.43	.30	.27	.27	.27
DH460 All Sizes	U-Factor	.33	.33	.33	.32	.32	.32	.32	.31	.33	.33	.33	.32
	Solar Heat Gain Coefficient (SHGC)	.28	.26	.26	.26	.20	.18	.18	.18	.19	.17	.17	.17
	Visible Light Transmittance (VT)	.52	.47	.47	.47	.47	.41	.41	.41	.29	.26	.26	.26
PW & AR420 All Sizes	U-Factor	.27	.27	.29	.27	.25	.25	.27	.25	.27	.27	.29	.27
	Solar Heat Gain Coefficient (SHGC)	.33	.30	.30	.30	.23	.21	.21	.21	.21	.19	.19	.19
	Visible Light Transmittance (VT)	.61	.54	.54	.54	.54	.48	.48	.48	.33	.30	.30	.30
SGD430 All Sizes	U-Factor	.33	.33	.33	.33	.31	.31	.31	.31	.33	.33	.33	.33
	Solar Heat Gain Coefficient (SHGC)	.28	.25	.25	.25	.20	.18	.18	.18	.18	.16	.16	.16
	Visible Light Transmittance (VT)	.52	.45	.45	.45	.46	.40	.40	.40	.28	.25	.25	.25

PGT WinGuard Vinyl Series 500		PPG Solarban 60 Low-E				PPG Solarban 70XL Low-E				Cardinal 240 Solar Control Low-E			
		No Grids	GBG Grids	Contour Grids	SDL Grids	No Grids	GBG Grids	Contour Grids	SDL Grids	No Grids	GBG Grids	Contour Grids	SDL Grids
Size	Energy Criteria	Performance				Performance				Performance			
SH500 All Sizes	U-Factor	.30	.30	.32	.35	.29	.29	.31	.34	.30	.30	.32	.35
	Solar Heat Gain Coefficient (SHGC)	.30	.27	.27	.27	.22	.20	.20	.20	.20	.18	.18	.18
	Visible Light Transmittance (VT)	.55	.49	.49	.49	.49	.44	.44	.44	.30	.27	.27	.27
HR510 All Sizes	U-Factor	.30	.30	.32	.35	.28	.28	.31	.34	.30	.30	.32	.35
	Solar Heat Gain Coefficient (SHGC)	.30	.27	.27	.27	.21	.19	.19	.20	.20	.18	.18	.18
	Visible Light Transmittance (VT)	.54	.48	.48	.48	.48	.43	.43	.43	.30	.27	.27	.27
CA540-X All Sizes	U-Factor	.28	.28	.30	.28	.27	.27	.29	.27	.28	.28	.30	.28
	Solar Heat Gain Coefficient (SHGC)	.25	.22	.22	.22	.18	.16	.16	.16	.16	.15	.15	.15
	Visible Light Transmittance (VT)	.44	.40	.40	.40	.39	.35	.35	.35	.24	.22	.22	.22
CA540-O All Sizes	U-Factor	.26	.26	.28	.26	.25	.25	.27	.25	.26	.26	.28	.26
	Solar Heat Gain Coefficient (SHGC)	.29	.26	.26	.26	.21	.19	.19	.19	.19	.17	.17	.17
	Visible Light Transmittance (VT)	.53	.48	.48	.48	.47	.42	.42	.42	.29	.26	.26	.26
DH560 All Sizes	U-Factor	.32	.32	.34	.37	.31	.31	.33	.36	.32	.32	.34	.37
	Solar Heat Gain Coefficient (SHGC)	.28	.26	.26	.26	.20	.18	.18	.19	.19	.17	.17	.17
	Visible Light Transmittance (VT)	.52	.46	.46	.46	.46	.41	.41	.41	.28	.25	.25	.25
PW & AR520 Up to 48" x 62"	U-Factor	.28	.29	.32	.29	.26	.28	.30	.28	.28	.29	.32	.29
	Solar Heat Gain Coefficient (SHGC)	.33	.30	.30	.30	.24	.22	.22	.22	.21	.19	.19	.19
	Visible Light Transmittance (VT)	.60	.54	.54	.54	.54	.48	.48	.48	.33	.29	.29	.29
SGD530 All Sizes	U-Factor	.32	.36	.36	.36	.31	.35	.35	.35	.32	.36	.36	.36
	Solar Heat Gain Coefficient (SHGC)	.28	.25	.25	.25	.20	.18	.18	.18	.18	.16	.16	.16
	Visible Light Transmittance (VT)	.50	.43	.43	.43	.44	.38	.38	.38	.27	.24	.24	.24
FD550 All Sizes	U-Factor	.33	.33	.34	.35	.32	.32	.33	.34	.32	.32	.32	.34
	Solar Heat Gain Coefficient (SHGC)	.23	.20	.20	.21	.17	.15	.15	.15	.15	.14	.14	.14
	Visible Light Transmittance (VT)	.41	.35	.35	.35	.36	.31	.31	.31	.23	.19	.19	.19

- All units utilize argon gas and Super Spacer with Low-E on the 2nd surface.
- SH, DH & HR 7/8" overall IG utilizing double strength glass. Impact units utilize 5/16" laminated glass.
- SH, DH & HR 3/4" overall IG with SDL.
- CA's are always 7/8" overall IG with double strength glass. Impact units utilize 5/16" laminated glass.
- PW's are 7/8" overall IG with 3/16" glass. Impact units utilize 5/16" laminated glass.
- SGD's & FD's are 1" overall IG with 3/16" glass. Impact units utilize 7/16" and 5/16" laminated glass respectively.