



» ARCHITECTURAL WINDOW FILMS

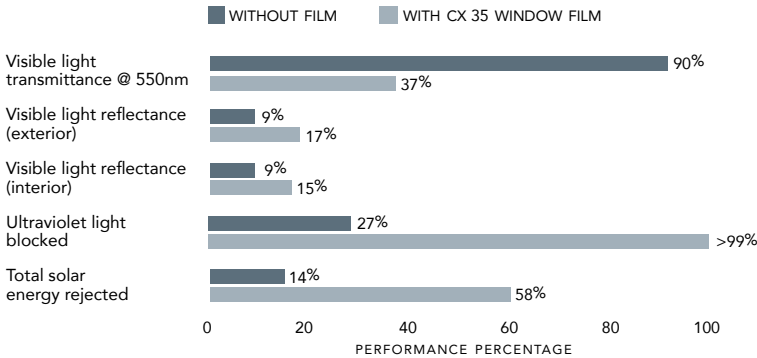
Solar Gard® CX 35

CX 35 offers substantial heat and glare control, rejecting more than half of solar energy, as well as low reflectance both inside and outside.

View the world through advanced engineering. With a superior level of durability, the CX Ceramic Series offers an attractive balance of solar heat rejection and low reflectance. With a natural appearance that maintains views, this film line is ideal for demanding coastal environments.



Film performance (Comparison testing 1/8" (3mm) thick clear glass)



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Solar Gard® CX 35

Performance Parameters for Different Window Types

	1/8" (3mm) Single clear		1/4" (6mm) Single clear		1/8" (3mm) Double clear		1/4" (6mm) Double clear	
	No film	CX 35	No film	CX 35	No film	CX 35	No film	CX 35
Visible light								
Transmittance %	90	37	89	37	81	34	79	33
Reflectance exterior %	9	17	9	16	16	22	15	22
Reflectance interior %	9	15	9	15	16	17	15	17
Glare reduction %	-	59	-	59	-	58	-	58
Solar energy								
Transmittance %	83	26	77	24	69	22	61	20
Absorptance %	9	53	16	59	18	56	27	62
Reflectance %	8	21	7	17	13	22	12	18
Total solar energy rejected %	14	58	18	58	24	48	30	49
Infrared rejection @ 780 to 2500 nm % ¹	20	83	28	86	-	-	-	-
Shading coefficient	.98	.48	.94	.48	.87	.60	.81	.58
Solar heat gain coefficient	.86	.42	.82	.42	.76	.52	.70	.51
Light to solar heat gain ratio (VLT/SHGC)	1.05	.89	1.08	.88	1.08	.65	1.13	.65
Solar heat gain reduction %	-	51	-	49	-	32	-	28
Thermal energy								
Emissivity	.84	.79	.84	.79	.84	.79	.84	.79
Winter U-factor (Btu hr/ft ² °F)	1.04	1.01	1.02	1.00	.48	.48	.47	.47
Summer U-factor (Btu hr/ft ² °F)	.94	.91	.92	.89	.50	.50	.50	.49
Winter heat loss reduction %	-	3	-	2	-	0	-	0
Ultraviolet light								
Blocked @ 300 to 380 nm %	27	>99	34	>99	41	>99	50	>99
Fade control								
Tdw-ISO @ 300 to 700 nm % ²	85	25	82	25	74	23	70	23

¹ Infrared rejection = 1 - average unweighted transmittance using ASTM E 903.

² Tdw-ISO is the percentage of transmitted light that causes fading. A lower number means more protection against fading.



Performance results generated using LBNL Window 7.2 and NFRC standards. For full details and additional information please visit www.solargard.com/panorama.

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