



» ARCHITECTURAL WINDOW FILMS

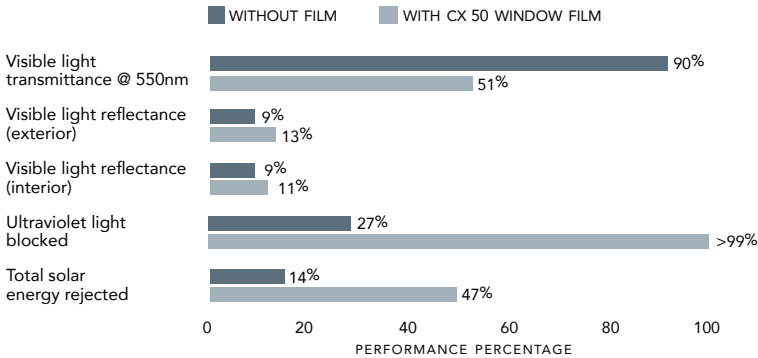
Solar Gard® CX 50

CX 50 offers considerable heat and glare control and ample natural light, while maintaining the look of your original windows, 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 50

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 50	No film	CX 50	No film	CX 50	No film	CX 50
Visible light								
Transmittance %	90	51	89	50	81	46	79	45
Reflectance exterior %	9	13	9	13	16	19	15	19
Reflectance interior %	9	11	9	11	16	13	15	13
Glare reduction %	-	44	-	44	-	43	-	43
Solar energy								
Transmittance %	83	39	77	35	69	33	61	28
Absorptance %	9	46	16	52	18	49	27	57
Reflectance %	8	15	7	13	13	18	12	15
Total solar energy rejected %	14	47	18	49	24	41	30	44
Infrared rejection @ 780 to 2500 nm % ¹	20	70	28	75	-	-	-	-
Shading coefficient	.98	.61	.94	.59	.87	.68	.81	.65
Solar heat gain coefficient	.86	.53	.82	.51	.76	.59	.70	.56
Light to solar heat gain ratio (VLT/SHGC)	1.05	.96	1.08	.97	1.08	.78	1.13	.79
Solar heat gain reduction %	-	38	-	37	-	22	-	20
Thermal energy								
Emissivity	.84	.83	.84	.83	.84	.83	.84	.83
Winter U-factor (Btu hr/ft ² °F)	1.04	1.03	1.02	1.02	.48	.48	.47	.47
Summer U-factor (Btu hr/ft ² °F)	.94	.93	.92	.92	.50	.51	.50	.49
Winter heat loss reduction %	-	1	-	0	-	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	33	82	33	74	30	70	30

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.

SK0314CX50 04/16
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