



SUNGATE CRYSTAL 50



Construction

Ply	3
Mil Thickness	1.5

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	41	44
Solar Energy Absorbed %	51	48
Solar Energy Reflected %	8	8
Visible Light Transmitted %	51	52
Visible Light Reflected % - Interior	10	10
Visible Light Reflected % - Exterior	9	9
Ultraviolet Rejected %	99	99
Shading Coefficient	.63	.66
Solar Heat Reduction %	37	34
Total Solar Energy Rejected %	45	43
Glare Reduction %	43	42
Emissivity	.85	.85
U-Value	1.09	1.11



Film-To-Glass Installation Ratings SunGate Crystal 50

Single Clear	1
Dual Clear	1
Single Tinted	1
Dual Tinted	1
Low-E	2

Film-To-Glass Installation Ratings

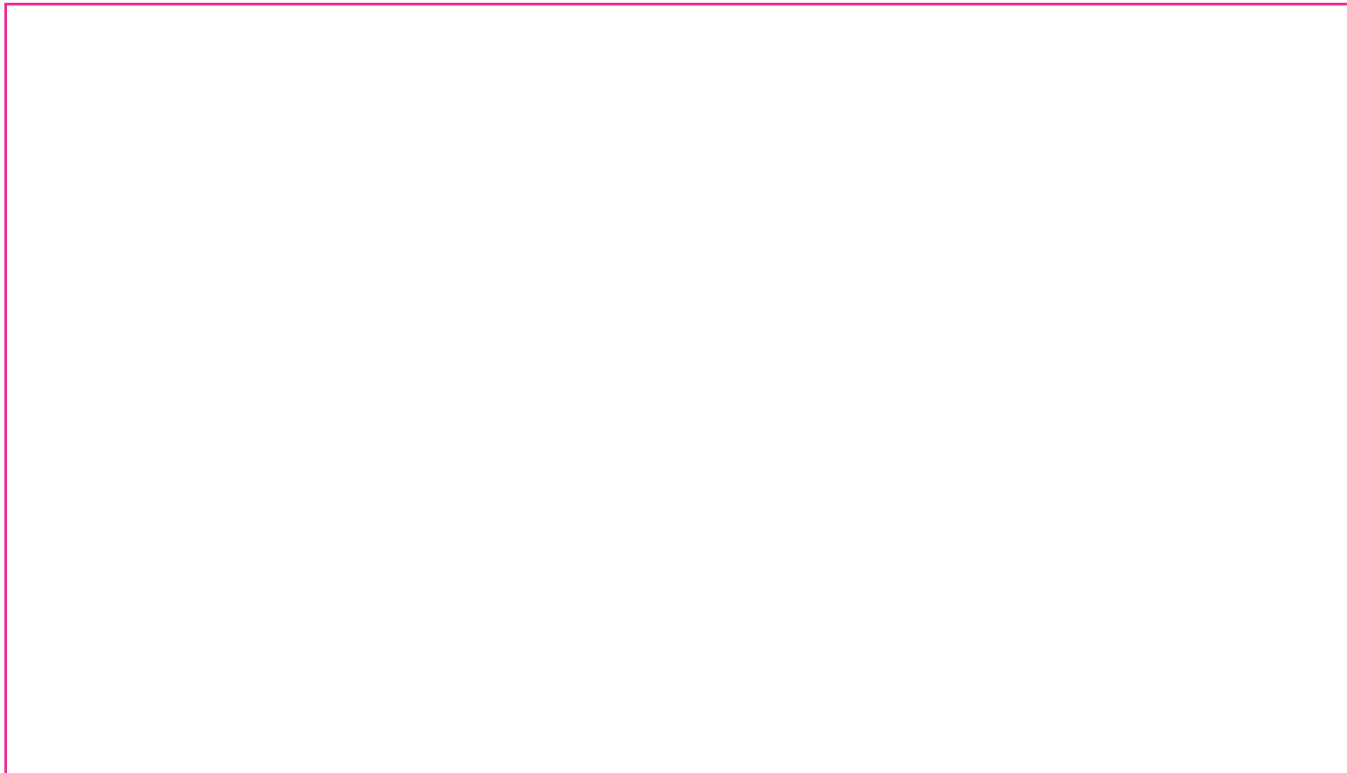
- 1** = Approved for TSF & IGU Seal Failure warranty coverage at no additional fee.
- 2** = NOT approved for TSF & IGU Seal Failure warranty coverage. Apply for coverage with fee.
- 3** = TSF & IGU Seal Failure warranty coverage is NOT available.

Important

Data created from testing of film installed on 1/8" and 1/4" thick clear float glass. Data is representative of actual production. Batch to batch variations are within industry standards.



SUNGATE CRYSTAL 35



Construction

Ply	3
Mil Thickness	1.5

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	31	33
Solar Energy Absorbed %	62	60
Solar Energy Reflected %	7	7
Visible Light Transmitted %	41	42
Visible Light Reflected % - Interior	9	9
Visible Light Reflected % - Exterior	8	8
Ultraviolet Rejected %	99	99
Shading Coefficient	.57	.59
Solar Heat Reduction %	43	41
Total Solar Energy Rejected %	51	50
Glare Reduction %	54	53
Emissivity	.86	.86
U-Value	1.09	1.12



Film-To-Glass Installation Ratings SunGate Crystal 35

Single Clear	2
Dual Clear	3
Single Tinted	2
Dual Tinted	3
Low-E	3

Film-To-Glass Installation Ratings

- 1** = Approved for TSF & IGU Seal Failure warranty coverage at no additional fee.
- 2** = NOT approved for TSF & IGU Seal Failure warranty coverage. Apply for coverage with fee.
- 3** = TSF & IGU Seal Failure warranty coverage is NOT available.

Important

Data created from testing of film installed on 1/8" and 1/4" thick clear float glass. Data is representative of actual production. Batch to batch variations are within industry standards.



SUNGATE CRYSTAL 20



Construction

Ply	3
Mil Thickness	1.5

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	13	14
Solar Energy Absorbed %	73	72
Solar Energy Reflected %	14	14
Visible Light Transmitted %	20	21
Visible Light Reflected % - Interior	14	14
Visible Light Reflected % - Exterior	12	13
Ultraviolet Rejected %	99	99
Shading Coefficient	.39	.40
Solar Heat Reduction %	61	60
Total Solar Energy Rejected %	66	65
Glare Reduction %	78	77
Emissivity	.81	.81
U-Value	1.07	1.10



Film-To-Glass Installation Ratings SunGate Crystal 20

Single Clear	2
Dual Clear	3
Single Tinted	2
Dual Tinted	3
Low-E	3

Film-To-Glass Installation Ratings

- 1** = Approved for TSF & IGU Seal Failure warranty coverage at no additional fee.
- 2** = NOT approved for TSF & IGU Seal Failure warranty coverage. Apply for coverage with fee.
- 3** = TSF & IGU Seal Failure warranty coverage is NOT available.

Important

Data created from testing of film installed on 1/8" and 1/4" thick clear float glass. Data is representative of actual production. Batch to batch variations are within industry standards.