



DEFENDER™ 4 MIL SILVER REFLECTIVE 35



Construction

Ply	3
Mil Thickness	4

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	30	31
Solar Energy Absorbed %	42	41
Solar Energy Reflected %	28	28
Visible Light Transmitted %	39	41
Visible Light Reflected % - Interior	28	28
Visible Light Reflected % - Exterior	27	29
Ultraviolet Rejected %	99	99
Shading Coefficient	.48	.49
Solar Heat Reduction %	52	51
Total Solar Energy Rejected %	58	58
Glare Reduction %	57	54
Emissivity	.72	.72
U-Value	1.02	1.05

DEFENDER™ Safety & Security Window Films

Film-To-Glass Installation Ratings Defender™ 4 Mil Silver Reflective 35

Single Clear	1
Dual Clear	1
Single Tinted	1
Dual Tinted	2
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.



DEFENDER™ 4 MIL SILVER REFLECTIVE 20



Construction

Ply	3
Mil Thickness	4

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	11	12
Solar Energy Absorbed %	44	41
Solar Energy Reflected %	45	47
Visible Light Transmitted %	16	17
Visible Light Reflected % - Interior	56	56
Visible Light Reflected % - Exterior	52	54
Ultraviolet Rejected %	99	99
Shading Coefficient	.25	.26
Solar Heat Reduction %	75	74
Total Solar Energy Rejected %	78	78
Glare Reduction %	82	81
Emissivity	.60	.60
U-Value	.96	.98

DEFENDER™ Safety & Security Window Films

Film-To-Glass Installation Ratings Defender™ 4 Mil Silver Reflective 20

Single Clear	1
Dual Clear	1
Single Tinted	1
Dual Tinted	2
Low-E	3

Film-To-Glass Installation Ratings

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