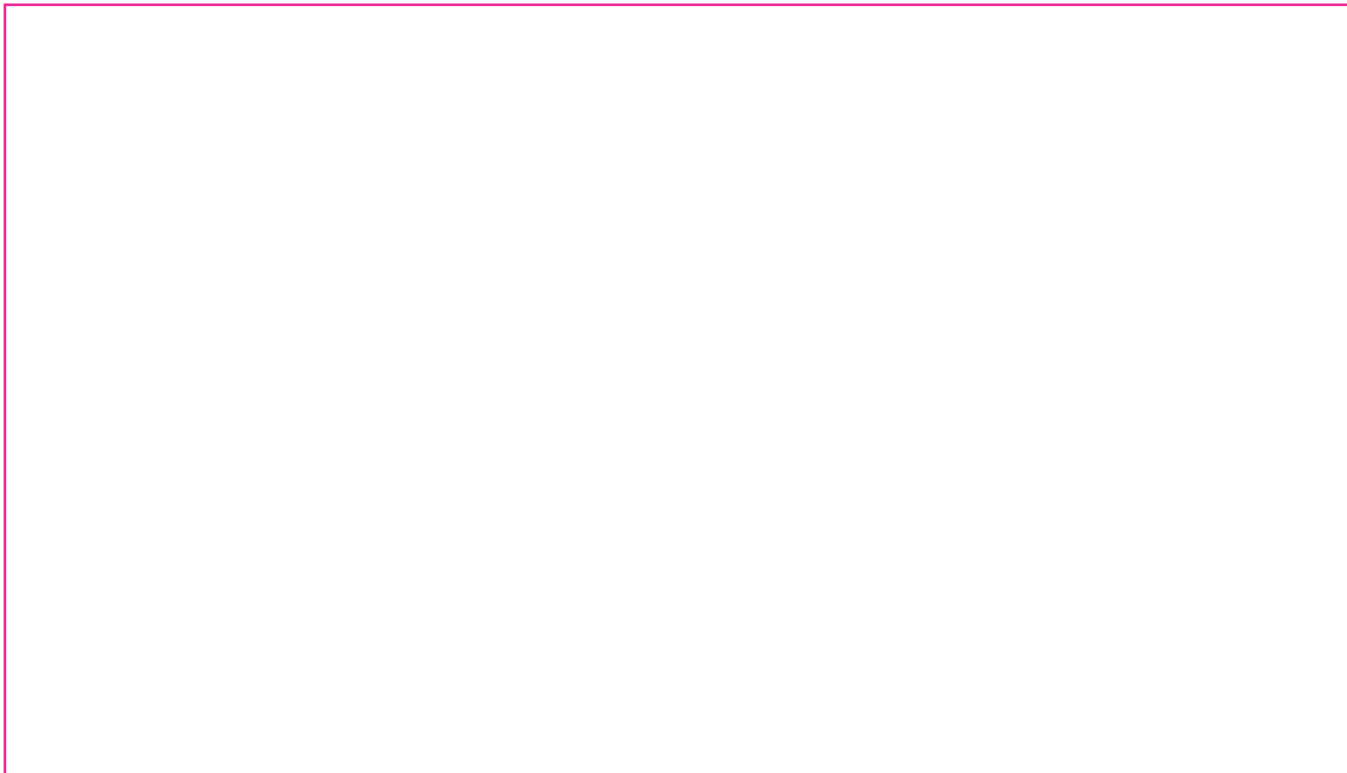




# DEFENDER™ 12 MIL CLEAR



## Construction

Ply	3
Mil Thickness	12

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	75	80
Solar Energy Absorbed %	16	11
Solar Energy Reflected %	9	9
Visible Light Transmitted %	85	88
Visible Light Reflected % - Interior	10	10
Visible Light Reflected % - Exterior	10	10
Ultraviolet Rejected %	99	99
Shading Coefficient	.92	.96
Solar Heat Reduction %	8	4
Total Solar Energy Rejected %	20	16
Glare Reduction %	6	2
Emissivity	.86	.86
U-Value	1.09	1.11

## DEFENDER™ Safety & Security Window Films

### Film-To-Glass Installation Ratings Defender™ 12 Mil Clear

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

### 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.