



# DEFENDER™ 7 MIL CLEAR



## Construction

Ply	2
Mil Thickness	7

Performance Specifications	Glass Type 1/4"	1/8"
Solar Energy Transmitted %	77	81
Solar Energy Absorbed %	15	12
Solar Energy Reflected %	8	7
Visible Light Transmitted %	88	91
Visible Light Reflected % - Interior	8	8
Visible Light Reflected % - Exterior	9	8
Ultraviolet Rejected %	99	99
Shading Coefficient	.94	.98
Solar Heat Reduction %	6	2
Total Solar Energy Rejected %	18	15
Glare Reduction %	2	0
Emissivity	.88	.88
U-Value	1.10	1.12

## DEFENDER™ Safety & Security Window Films

### Film-To-Glass Installation Ratings Defender™ 7 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.