



## Architectural Window Film

### Data Sheet

#### **SolarZone™ Interior**

#### **Silver™ 20, 35, 50**

#### Introduction

The SolarZone range of window films are special versions of many of our standard SolarZone window films, developed for installation on the interior of the window. SolarZone offers one of the best solutions for keeping interiors cooler in the summer, maximizing savings on energy costs, and upgrading energy efficiency.

#### Typical Usage

- With a strong visual statement, excellent heat rejection, and a speedy return on investment, Silver is a popular choice for commercial projects

#### Product Construction

Face: Silver 20, 35, 50

Adhesive: Pressure sensitive permanent - solvent based acrylic

Liner: PET

#### Certificates

Fire Certificates: DIN EN 13501-1: 2010 B-s1, d0



## Shelf Life and storage conditions:

When stored in original packaging upon arrival at the customer: 2 years.  
Recommended Storage conditions are 20 °C ( $\pm 2$  °C) with 50 %RH ( $\pm 5$ %).

## Key Features

- Very good solar heat and glare rejection
- 99% UV Block
- Upgraded building appearance
- Daytime privacy

## Film Performance

Warranted Durability in Years:

	Silver 20	Silver 35	Silver 50
Durability	12	12	12



## Optical &amp; Solar Properties

Glazing Unit: Pane Single Clear 3mm	Silver 20	Silver 35	Silver 50
Visible Light Transmitted %	18	33	51
Visible Light Reflected - Interior %	62	41	23
Visible Light Reflected - Exterior %	61	42	24
UV Block %	99	99	97
Total Solar Energy Reflected %	55	39	24
Total Solar Energy Transmitted %	13	25	39
Total Solar Energy Absorbed %	32	36	37
Emissivity (Room Side)	0.71	0.72	0.81
Glare Reduction %	80	63	44
Selective InfraRed Reduction %	90	80	67
InfraRed Energy Reduction %	79	68	54
Shading Coefficient	0.25	0.40	0.58
Solar Heat Gain Coefficient (G-Value)	0.22	0.35	0.50
U-Value Winter (IP)	0.97	0.98	1.02
U-Value Winter (SI)	5.51	5.57	5.78
Luminous Efficacy	0.72	0.85	0.87
Total Solar Energy Rejected	78	65	50



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