



## Architectural Window Film

### Data Sheet

#### SolarZone™ Exterior

#### Silver™ 20, 35, 50 Xtra, PolyZone™ Silver 20 Xtra, Silver Matte™ 20 Xtra, Solar Bronze™ 20 Xtra

#### Introduction

The SolarZone Xtra range of window films are special versions of many of our standard SolarZone window films, developed for installation on the exterior of the window, instead of on the interior (room side) of the glazing system. Exterior films reject solar energy on the outer pane, keeping the inner pane cool and reducing the energy that penetrates inside even more effectively than a similar interior film. SolarZone Xtra offers one of the best solutions for keeping interiors cooler in the summer, maximizing savings on energy costs, and upgrading energy efficiency.

#### Typical Usage

- Silver Xtra: With a strong visual statement, excellent heat rejection, and a speedy return on investment, Silver Xtra is the popular choice for commercial projects
- PolyZone Silver: Engineered for exterior installation to polycarbonate and other rigid plastic substrates, solution delivers a strong visual statement with excellent heat rejection
- Solar Bronze Xtra: Delivers high levels of heat rejection in a warm, yet sophisticated, appearance.
- Silver Matte: Silver Matte Xtra provides indoor comfort together with two-way night and day privacy

#### Product Construction

Face: Silver 20, 35, 50. PolyZone Silver 20. Silver Matte 20. Solar Bronze 20

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 Xtra	Silver 35 Xtra	Silver 50 Xtra	PolyZone Silver 20 Xtra	Silver Matte 20 Xtra	Solar Bronze 20 Xtra
Vertical	7	7	4	4	5	4
Horizontal / Sloped	4	4	3	3	3	2.5



## Optical &amp; Solar Properties

Glazing Unit: Pane Single Clear 3mm	Silver 20 Xtra	Silver 35 Xtra	Silver 50 Xtra	PolyZone Silver 20 Xtra	Silver Matte 20 Xtra	Solar Bronze 20 Xtra
Visible Light Transmitted %	17	33	48	16	13	16
Visible Light Reflected - Interior %	62	42	28	63	48	46
Visible Light Reflected - Exterior %	62	42	27	64	60	39
UV Block %	99	99	99	99	99	99
Total Solar Energy Reflected %	63	45	30	65	62	64
Total Solar Energy Transmitted %	12	25	37	12	10	9
Total Solar Energy Absorbed %	25	30	33	23	28	27
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84	0.84
Glare Reduction %	81	63	46	82	84	82
Selective InfraRed Reduction %	91	80	70	90	92	96
InfraRed Energy Reduction %	84	71	59	84	85	92
Shading Coefficient	0.22	0.39	0.53	0.22	0.22	0.20
Solar Heat Gain Coefficient (G-Value)	0.19	0.34	0.46	0.19	0.19	0.17
U-Value Winter (IP)	1.04	1.04	1.04	1.04	1.04	1.04
U-Value Winter (SI)	5.91	5.91	5.91	5.91	5.91	5.91
Luminous Efficacy	0.77	0.84	0.90	0.73	0.59	0.80
Total Solar Energy Rejected	81	66	54	81	81	83



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