BY DESIGN

decorative films

Film Selector Guide

Decorative Films from Solar Gard®

Solar Gard®
SAINT-GOBAIN

BY DESIGN
decorative films

WELCOME TO THE WORLD OF byDESIGN DECORATIVE FILMS FROM SOLAR GARD.

Where privacy and sophistication meet your unique vision, resulting in a contemporary aesthetic that's as functional as it is attractive.

Available in a variety of styles and opacities, the byDESIGN film portfolio offers modern solutions for today's spaces.

1/4" Clear Glass

Performance results	1/4" (6mm)
Visible light	
% Transmittance	89
% Reflectance (glass side)	9
% Reflectance (film side)	9
% Glare reduction	N/A
Solar heat gain coefficient	.82

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

byDESIGN Decorative Window Films

Modern Dusted Crystal

Performance results	1/4" (6mm)
Visible light	
% Transmittance	85
% Reflectance (glass side)	8
% Reflectance (film side)	8
% Glare reduction	4
Solar heat gain coefficient	.79

Physical properties

Gauge	2.0 mil (50 micron)
Type	Vinyl
Adhesive	Clear, pressure-sensitive
Release liner	4.0 mil (100 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

byDESIGN Decorative Window Films

Modern Crystal Frost

Performance results	1/4" (6mm)
Visible light	
% Transmittance	85
% Reflectance (glass side)	8
% Reflectance (film side)	9
% Glare reduction	4
Solar heat gain coefficient	.79

Physical properties

Gauge	3.0-4.0 mil (75-100 micron)
Type	Vinyl
Adhesive	Clear, pressure-sensitive
Release liner	1.5 mil (37.5 micron)
Privacy factor (1-5)	3

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Deep Etch

Performance results	1/4" (6mm)
Visible light	
% Transmittance	66
% Reflectance (glass side)	19
% Reflectance (film side)	19
% Glare reduction	25
Solar heat gain coefficient	.65

Physical properties

Gauge	3.0 mil (75 micron)
Type	Vinyl
Adhesive	Clear, pressure-sensitive
Release liner	1.5 mil (37.5 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Dusted Crystal O^2

Performance results	1/4" (6mm)
Visible light	
% Transmittance	85
% Reflectance (glass side)	9
% Reflectance (film side)	9
% Glare reduction	4
Solar heat gain coefficient	.79

Physical properties

Gauge	3.0 mil (75 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	3.0 mil (75 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Milk Glass

Performance results	1/4" (6mm)
Visible light	
% Transmittance	35
% Reflectance (glass side)	43
% Reflectance (film side)	52
% Glare reduction	60
Solar heat gain coefficient	.44

Physical properties

Gauge	3.0 mil (75 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Glacier Gray

Performance results	1/4" (6mm)
Visible light	
% Transmittance	50
% Reflectance (glass side)	33
% Reflectance (film side)	36
% Glare reduction	44
Solar heat gain coefficient	.54

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Glacier Matte

Performance results	1/4" (6mm)
Visible light	
% Transmittance	52
% Reflectance (glass side)	29
% Reflectance (film side)	28
% Glare reduction	42
Solar heat gain coefficient	.60

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Misty Frost

Performance results	1/4" (6mm)
Visible light	
% Transmittance	73
% Reflectance (glass side)	17
% Reflectance (film side)	18
% Glare reduction	18
Solar heat gain coefficient	.72

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	2

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Dot Gradient

Performance results

	1/4" (6mm)	
	FEATHERED	FROSTED
Visible light		
% Transmittance	53	70
% Reflectance (glass side)	27	17
% Reflectance (film side)	26	16
% Glare reduction	40	21
Solar heat gain coefficient	.61	.71
Privacy factor (1-5)	2	4

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.0 mil (25 micron)

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Clear Frost

Performance results	1/4" (6mm)
Visible light	
% Transmittance	64
% Reflectance (glass side)	25
% Reflectance (film side)	27
% Glare reduction	28
Solar heat gain coefficient	.64

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, removable pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	3

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

White Opaque

Performance results	1/4" (6mm)
Visible light	
% Transmittance	9
% Reflectance (glass side)	69
% Reflectance (film side)	84
% Glare reduction	90
Solar heat gain coefficient	.25

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, removable pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Black Opaque

Performance results	1/4" (6mm)
Visible light	
% Transmittance	0
% Reflectance (glass side)	6
% Reflectance (film side)	7
% Glare reduction	100
Solar heat gain coefficient	.32

Physical properties

Gauge	3.0 mil (75 micron)
Type	Polyester
Adhesive	Clear, removable pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	5

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

PCR2

Performance results	1/4" (6mm)
Visible light	
% Transmittance	87
% Reflectance (glass side)	10
% Reflectance (film side)	10
% Glare reduction	2
Solar heat gain coefficient	.78

Physical properties

Gauge	2.0 mil (50 micron)
Type	Polyester
Adhesive	Clear, removable pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	NA

PRINTABLE

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

PCR4

Performance results	1/4" (6mm)
Visible light	
% Transmittance	86
% Reflectance (glass side)	10
% Reflectance (film side)	10
% Glare reduction	2
Solar heat gain coefficient	.78

Physical properties

Gauge	4.0 mil (100 micron)
Type	Polyester
Adhesive	Clear, removable pressure-sensitive
Release liner	1.0 mil (25 micron)
Privacy factor (1-5)	NA

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Modern Safety Frost

Performance results	1/4" (6mm)
Visible light	
% Transmittance	84
% Reflectance (glass side)	9
% Reflectance (film side)	9
% Glare reduction	5
Solar heat gain coefficient	.78

Physical properties

Gauge	5.0 mil (125 micron)
Type	Polyester
Adhesive	Clear, pressure-sensitive
Release liner	1.5 mil (37.5 micron)
Privacy factor (1-5)	3

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.

Performance Notes

1. Performance results are calculated using NFRC methodology and LBNL Window software, and are subject to variations within industry standards and only intended for estimating purposes. This data is provided for informational purposes only and are subject to normal manufacturing variances.

2. For full details and additional information please visit www.solargard.com/byDESIGN

Solar Energy Technical Definitions

Visible light transmittance The percent of total visible light that is transmitted through the window film/glass system. The lower the number, the less visible light transmitted.

Visible light reflectance The percent of total visible light that is reflected by the window film/glass system. The lower the number, the less visible light reflected.

Solar heat gain coefficient The ratio of the total solar heat passing through a given window product relative to the solar heat incident on the projected window surface at normal solar incidence (i.e. perpendicular to the glazing surface). The lower the coefficient number for a particular window film/glass system, the better it is able to reduce heat.

Glare reduction The percent reduction of visible light by the addition of window film compared to that of the same window without film.

What matters most to you…

We're On It!

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