



# Film Specifications

RESIDENTIAL AND COMMERCIAL FILMS  
on 1/8 inch clear glass



Johnson Window Films' solar control flat glass films on clear glass reject 99% or more of harmful UV rays.

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTION	VISIBLE LIGHT REFLECTANCE (Exterior)	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U-FACTOR NFRC	SOLAR ABSORPTION	GLARE REDUCTION
CLEAR GLASS	clear	89%	14%	8%	0.99	0.86	1.04	10%	0%

DN 60	neutral	62%	33%	11%	0.78	0.67	1.13	34%	30%
DN 50	neutral	48%	42%	14%	0.67	0.58	1.13	43%	46%
DN 35	neutral	37%	47%	18%	0.61	0.53	1.13	48%	58%
DN 20	neutral	22%	61%	26%	0.46	0.39	1.12	56%	75%
DN 15	neutral	17%	63%	19%	0.44	0.37	1.12	68%	81%
DN 50 EXT*	neutral	48%	43%	11%	0.67	0.57	1.04	44%	46%
DN 35 EXT*	neutral	37%	49%	16%	0.62	0.51	1.04	47%	58%
DN 20 EXT*	neutral	22%	63%	26%	0.43	0.37	1.04	53%	75%

\* These films are designed for exterior (EXT) use only.

SB 50	bronze	53%	49%	16%	0.59	0.51	1.05	37%	40%
SB 30	bronze	32%	66%	27%	0.40	0.34	1.03	43%	64%
SB 20	bronze	20%	76%	36%	0.28	0.24	1.03	44%	78%

SS 35	silver	39%	60%	33%	0.47	0.40	1.05	38%	56%
SS 20	silver	22%	73%	50%	0.31	0.27	1.04	39%	75%
SS 35 EXT*	silver	39%	62%	32%	0.44	0.38	1.02	34%	56%
SS 20 EXT*	silver	22%	75%	50%	0.29	0.25	1.04	30%	75%

\* These films are designed for exterior (EXT) use only.

SV 40	dual reflective	49%	46%	16%	0.63	0.54	1.11	44%	45%
SV 30	dual reflective	33%	61%	31%	0.45	0.39	1.08	45%	63%
SV 10	dual reflective	9%	79%	53%	0.24	0.21	1.10	46%	90%

NS 35	dual reflective	35%	52%	17%	0.56	0.48	1.07	48%	61%
NS 25	dual reflective	27%	53%	16%	0.54	0.47	1.08	53%	70%
NS 15	dual reflective	16%	54%	14%	0.53	0.46	1.09	58%	82%
NS 05	dual reflective	7%	66%	11%	0.40	0.34	1.06	63%	92%

PD 55	natural	58%	42%	11%	0.67	0.58	1.12	44%	35%
PD 45	natural	49%	50%	13%	0.59	0.50	1.12	48%	45%
PD 35	natural	41%	56%	16%	0.52	0.44	1.11	52%	54%

† NIR: 780-2500nm range

IR REJECTION†

62%
71%
78%

MBL 35	blue silver	34%	52%	11%	0.56	0.48	1.08	51%	62%
MBL 20	blue silver	24%	62%	16%	0.45	0.38	1.05	53%	73%
MGN 35	green silver	34%	50%	10%	0.58	0.50	1.09	53%	62%
MGN 20	green silver	24%	61%	14%	0.46	0.39	1.06	56%	73%
MGD 35	gold silver	38%	58%	27%	0.49	0.42	1.06	43%	57%
MGD 20	gold silver	21%	72%	43%	0.33	0.28	1.04	43%	76%

## DaylightNatural™

NEUTRAL, NON-FADING SPUTTERED FILMS

## Sunset Bronze™

COPPER, NON-FADING SPUTTERED FILMS

## Solar Silver™

SILVER, NON-FADING METALLIZED FILMS

## ScenicView™

DUAL REFLECTIVE, NON-FADING FILMS

## NightScape™

DUAL REFLECTIVE, NON-SPUTTERED FILMS

## Palisade™

PREMIUM CERAMIC SOLAR PROTECTION

## Architectural™

COLOR METALLIZED SOLAR CONTROL FILMS

All of Johnson Window Films are protected by CST™ scratch resistant hardcoat.

Solar specifications represent film mounted to 1/8 inch (3mm) clear glass.

Tests, equipment and methods are in accordance with ASTM, ANSI and NFRC standards. Values expressed hereof are typical and provided for comparative purposes only. Johnson Window Films film specifications can be verified through the International Glazing Database (IGDB).



**Johnson Window Films**

Manufactured by Johnson Laminating & Coating, Inc.  
Carson, California USA

[www.johnsonwindowfilms.com](http://www.johnsonwindowfilms.com)





# Film Specifications

RESIDENTIAL AND COMMERCIAL FILMS  
on 1/4 inch clear glass



Johnson Window Films' solar control flat glass films on clear glass reject 99% or more of harmful UV rays.

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTION	VISIBLE LIGHT REFLECTANCE (Exterior)	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U-FACTOR NFRC	SOLAR ABSORPTION	GLARE REDUCTION
CLEAR GLASS	clear	88%	18%	8%	0.94	0.82	1.03	16%	0%

DN 60	neutral	61%	36%	10%	0.75	0.64	1.08	39%	31%
DN 50	neutral	48%	44%	13%	0.65	0.56	1.08	48%	45%
DN 35	neutral	36%	49%	18%	0.60	0.51	1.08	52%	59%
DN 20	neutral	22%	61%	25%	0.45	0.39	1.06	61%	75%
DN 15	neutral	17%	63%	18%	0.44	0.37	1.06	70%	81%
DN 50 EXT*	neutral	48%	45%	11%	0.64	0.55	1.03	48%	45%
DN 35 EXT*	neutral	36%	50%	16%	0.58	0.50	1.03	50%	59%
DN 20 EXT*	neutral	22%	64%	26%	0.42	0.36	1.02	55%	75%

\* These films are designed for exterior (EXT) use only.

## DaylightNatural™

NEUTRAL, NON-FADING SPUTTERED FILMS

SB 50	bronze	52%	50%	15%	0.58	0.50	0.98	43%	41%
SB 30	bronze	32%	65%	26%	0.41	0.35	0.96	50%	64%
SB 20	bronze	20%	74%	35%	0.30	0.26	0.95	50%	77%

## Sunset Bronze™

COPPER, NON-FADING SPUTTERED FILMS

SS 35	silver	39%	60%	32%	0.47	0.40	0.98	44%	56%
SS 20	silver	22%	72%	48%	0.33	0.28	0.96	46%	75%
SS 35 EXT*	silver	39%	62%	32%	0.44	0.38	1.03	36%	56%
SS 20 EXT*	silver	22%	76%	50%	0.29	0.24	1.02	31%	75%

\* These films are designed for exterior (EXT) use only.

## Solar Silver™

SILVER, NON-FADING METALLIZED FILMS

SV 40	dual reflective	48%	47%	15%	0.61	0.53	1.05	49%	45%
SV 30	dual reflective	32%	61%	30%	0.45	0.39	1.02	50%	64%
SV 10	dual reflective	9%	78%	51%	0.27	0.22	1.04	52%	90%

## ScenicView™

DUAL REFLECTIVE, NON-FADING FILMS

NS 35	dual reflective	35%	53%	17%	0.54	0.47	1.01	53%	60%
NS 25	dual reflective	27%	54%	15%	0.53	0.46	1.02	56%	69%
NS 15	dual reflective	16%	56%	13%	0.52	0.44	1.03	67%	82%
NS 05	dual reflective	7%	66%	10%	0.40	0.34	1.00	68%	92%

## NightScape™

DUAL REFLECTIVE, NON-SPUTTERED FILMS

PD 55	natural	57%	44%	11%	0.65	0.56	1.07	48%	35%
PD 45	natural	48%	50%	13%	0.58	0.50	1.06	53%	45%
PD 35	natural	41%	56%	16%	0.52	0.44	1.05	56%	53%

†NIR: 780-2500nm range

## Palisade™

PREMIUM CERAMIC SOLAR PROTECTION

IR REJECTION†

69%

77%

83%

MBL 35	blue silver	34%	53%	11%	0.55	0.47	1.02	55%	61%
MBL 20	blue silver	24%	62%	15%	0.45	0.38	0.99	58%	73%
MGN 35	green silver	34%	52%	9%	0.56	0.48	1.03	57%	61%
MGN 20	green silver	24%	61%	13%	0.46	0.39	0.99	60%	73%
MGD 35	gold silver	37%	58%	26%	0.48	0.42	0.99	48%	58%
MGD 20	gold silver	21%	71%	41%	0.34	0.29	0.96	50%	76%

## Architectural™

COLOR METALLIZED SOLAR CONTROL FILMS

All of Johnson Window Films are protected by CST™ scratch resistant hardcoat.

Solar specifications represent film mounted to 1/4 inch (6mm) clear glass.

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