



# RESIDENTIAL & COMMERCIAL FILM SPECIFICATIONS on 1/8" 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		SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U-FACTOR NFRC	SOLAR ABSORPTION	GLARE REDUCTION
				Exterior	Interior					
CLEAR GLASS	clear	89%	14%	8%	8%	0.99	0.86	1.04	10%	0%

SUN 70	natural	67%	50%	19%	17%	0.58	0.50	1.01	34%	25%
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IR REJECTION

88%

NIR: 780-2500

## SUNLIGHT

SPECTRALLY-SELECT CLEAR SOLAR PROTECTION

## Palisade

PREMIUM CERAMIC SOLAR PROTECTION

PD 60	natural	59%	40%	11%	9%	0.69	0.60	1.09	39%	34%
PD 50	natural	50%	48%	13%	11%	0.60	0.52	1.08	44%	44%
PD 40	natural	42%	54%	16%	14%	0.52	0.46	1.07	48%	53%

## NightScape

DUAL REFLECTIVE, NON-SPUTTERED FILMS

NS 35	neutral	36%	50%	17%	11%	0.57	0.50	1.02	43%	60%
NS 25	neutral	24%	65%	33%	16%	0.40	0.35	.96	44%	73%
NS 15	neutral	14%	72%	40%	11%	0.33	0.28	.95	45%	84%
NS 07	neutral	8%	73%	39%	7%	0.31	0.27	.97	48%	91%
NS 05	neutral	6%	69%	12%	12%	0.36	0.31	.98	61%	94%

## ScenicView

DUAL REFLECTIVE, NON-FADING FILMS

SV 50	neutral	50%	44%	16%	12%	0.65	0.56	1.07	40%	44%
SV 25	neutral	27%	67%	38%	25%	0.38	0.33	1.01	42%	70%
SV 10	neutral	8%	82%	58%	25%	0.21	0.18	1.03	41%	91%
SV 50 EXT*	neutral	45%	50%	19%	13%	0.57	0.50	1.04	44%	49%
SV 25 EXT*	neutral	29%	66%	36%	23%	0.39	0.34	1.04	39%	67%
SV 10 EXT*	neutral	9%	82%	56%	24%	0.21	0.18	1.04	36%	90%

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

## DaylightNatural

NEUTRAL, NON-FADING SPUTTERED FILMS

DN 60	neutral	63%	30%	11%	9%	0.81	0.70	1.10	29%	29%
DN 50	neutral	49%	39%	14%	11%	0.70	0.61	1.10	39%	45%
DN 35	neutral	37%	45%	18%	16%	0.63	0.55	1.10	43%	58%
DN 20	neutral	22%	60%	26%	26%	0.46	0.40	1.08	52%	75%
DN 15	neutral	18%	62%	19%	16%	0.44	0.38	1.08	64%	80%
DN 35 EXT*	neutral	37%	49%	16%	18%	0.60	0.51	1.04	48%	59%
DN 20 EXT*	neutral	22%	63%	26%	26%	0.43	0.37	1.04	54%	75%

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

## Sunset Bronze

COPPER, NON-FADING SPUTTERED FILMS

SB 50	bronze	54%	47%	16%	14%	0.60	0.53	1.00	30%	39%
SB 30	bronze	33%	66%	27%	24%	0.39	0.34	.98	36%	63%
SB 20	bronze	20%	77%	37%	34%	0.26	0.23	.97	35%	77%

## Solar Silver

SILVER, NON-FADING METALLIZED FILMS

SS 35	silver	35%	65%	40%	39%	0.41	0.35	.96	35%	61%
SS 20	silver	19%	77%	57%	57%	0.26	0.23	.95	34%	79%
SS 35 EXT*	silver	35%	64%	40%	38%	0.41	0.36	1.04	30%	61%
SS 20 EXT*	silver	20%	75%	52%	49%	0.28	0.25	1.04	31%	78%

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## Specialty Series

COLOR METALLIZED SOLAR CONTROL FILMS

MBL 35	blue silver	35%	50%	11%	18%	0.57	0.50	1.04	46%	61%
MBL 20	blue silver	19%	68%	21%	42%	0.37	0.32	.96	50%	78%
MGN 35	green silver	35%	48%	9%	15%	0.59	0.52	1.05	48%	61%
MGN 20	green silver	19%	68%	18%	41%	0.37	0.32	.96	53%	79%
MGD 35	gold silver	32%	65%	35%	39%	0.40	0.35	.97	38%	64%
MGD 20	gold silver	17%	77%	50%	57%	0.26	0.23	.95	38%	81%

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

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

Tests, equipment and methods according to ASTM, ANSI and NFRC standards. Calculations performed using Lawrence Berkeley Lab's Optics/Window 6. 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).



The Skin Cancer Foundation recommends this product as an effective UV protectant.



### Johnson Window Films

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

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





# RESIDENTIAL & COMMERCIAL FILM SPECIFICATIONS on 1/4" Clear Glass



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

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

## Palisade

PREMIUM CERAMIC SOLAR PROTECTION

PD 60	natural	57%	44%	11%	9%	0.65	0.56	1.07	48%	35%
PD 50	natural	48%	51%	13%	11%	0.58	0.50	1.06	53%	45%
PD 40	natural	41%	56%	16%	14%	0.52	0.44	1.05	56%	53%

## NightScape

DUAL REFLECTIVE, NON-SPUTTERED FILMS

NS 35	dual reflective	35%	53%	17%	11%	0.54	0.47	1.01	53%	60%
NS 25	dual reflective	27%	54%	15%	8%	0.53	0.46	1.02	56%	69%
NS 15	dual reflective	16%	56%	13%	6%	0.52	0.44	1.03	67%	82%
NS 07	dual reflective	8%	72%	38%	7%	0.32	0.28	.95	53%	91%
NS 05	dual reflective	7%	66%	10%	10%	0.40	0.34	1.00	68%	92%

## ScenicView

DUAL REFLECTIVE, NON-FADING FILMS

SV 50	dual reflective	48%	47%	15%	12%	0.61	0.53	1.05	49%	45%
SV 25	dual reflective	32%	61%	30%	21%	0.45	0.39	1.02	50%	64%
SV 10	dual reflective	9%	78%	51%	24%	0.27	0.22	1.04	52%	90%
SV 50 EXT	dual reflective	45%	50%	18%	12%	0.57	0.50	1.04	44%	49%
SV 25 EXT	dual reflective	29%	66%	37%	22%	0.39	0.34	1.04	39%	67%
SV 10 EXT	dual reflective	9%	82%	56%	25%	0.20	0.18	1.04	22%	90%

## DaylightNatural

NEUTRAL, NON-FADING SPUTTERED FILMS

DN 60	neutral	61%	36%	10%	9%	0.75	0.64	1.08	39%	30%
DN 50	neutral	48%	44%	13%	11%	0.65	0.56	1.08	48%	46%
DN 35	neutral	36%	49%	18%	16%	0.60	0.51	1.08	52%	58%
DN 20	neutral	22%	61%	25%	26%	0.45	0.39	1.06	61%	75%
DN 15	neutral	17%	63%	18%	16%	0.44	0.37	1.06	70%	81%
DN 35 EXT*	neutral	36%	50%	16%	18%	0.62	0.51	1.04	47%	58%
DN 20 EXT*	neutral	22%	64%	26%	25%	0.43	0.37	1.04	53%	75%

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

## Sunset Bronze

COPPER, NON-FADING SPUTTERED FILMS

SB 50	bronze	52%	50%	15%	14%	0.58	0.50	0.98	43%	41%
SB 30	bronze	32%	65%	26%	24%	0.41	0.35	0.96	50%	64%
SB 20	bronze	20%	75%	35%	34%	0.30	0.26	0.95	50%	77%

## Solar Silver

SILVER, NON-FADING METALLIZED FILMS

SS 35	silver	39%	60%	32%	32%	0.47	0.40	1.04	44%	56%
SS 20	silver	22%	72%	48%	50%	0.33	0.28	1.04	46%	75%
SS 35 EXT*	silver	35%	64%	41%	38%	0.41	0.36	1.04	29%	60%
SS 20 EXT*	silver	22%	76%	57%	55%	0.27	0.24	1.04	25%	75%

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## Specialty Series

COLOR METALLIZED SOLAR CONTROL FILMS

MBL 35	blue silver	34%	53%	11%	18%	0.55	0.47	1.02	55%	61%
MBL 20	blue silver	24%	62%	15%	31%	0.45	0.38	0.99	58%	73%
MGN 35	green silver	34%	52%	9%	16%	0.56	0.48	1.03	57%	61%
MGN 20	green silver	24%	61%	13%	28%	0.46	0.39	0.99	60%	73%
MGD 35	gold silver	37%	59%	26%	30%	0.48	0.42	0.99	48%	58%
MGD 20	gold silver	21%	71%	41%	49%	0.34	0.29	0.96	50%	76%

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

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



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