



FLAT GLASS FILMS



All of Johnson Flat Glass Films (except White Frost) reject 99% of harmful UV rays.

DaylightNatural™
NEUTRAL, NON-FADING SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
DN 60	neutral	63%	30%	0.81	0.70	1.10	11%	29%	31%
DN 50	neutral	49%	40%	0.70	0.60	1.10	14%	39%	46%
DN 35	neutral	37%	46%	0.63	0.54	1.10	18%	43%	59%
DN 20	neutral	22%	61%	0.46	0.39	1.08	26%	53%	76%
DN 15	neutral	18%	62%	0.44	0.38	1.08	19%	64%	80%

Sunset Bronze™
COPPER, NON-FADING SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SB 50	bronze	54%	48%	0.60	0.52	1.00	16%	30%	41%
SB 30	bronze	33%	66%	0.39	0.34	0.98	27%	36%	64%
SB 20	bronze	20%	78%	0.26	0.23	0.97	37%	35%	78%

Solar Silver™
SILVER, NON-FADING METALLIZED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SS 35	silver	40%	60%	0.47	0.41	1.00	34%	32%	56%
SS 20	silver	22%	74%	0.30	0.26	0.98	51%	31%	76%

ScenicView™
DUAL REFLECTIVE, NON-FADING FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SV 40	dual reflective	50%	44%	0.65	0.56	1.07	16%	40%	45%
SV 30	dual reflective	34%	61%	0.45	0.39	1.03	31%	39%	63%
SV 10	dual reflective	10%	81%	0.22	0.19	1.06	54%	38%	89%

NightScape™
DUAL REFLECTIVE, NON-SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
NS 35	dual reflective	36%	51%	0.57	0.49	1.02	17%	43%	60%
NS 25	dual reflective	28%	52%	0.56	0.48	1.04	16%	48%	69%
NS 15	dual reflective	17%	53%	0.55	0.47	1.04	14%	54%	81%

Palisade™
PREMIUM CERAMIC SOLAR PROTECTION

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION	IR REJECTION
PD 55	natural	59%	41%	0.69	0.59	1.09	11%	39%	35%	62%
PD 45	natural	50%	49%	0.60	0.51	1.08	13%	44%	45%	71%
PD 35	natural	42%	55%	0.52	0.45	1.07	16%	48%	54%	78%

Architectural™
COLOR METALLIZED SOLAR CONTROL FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
MBL 50	blue silver	53%	36%	0.75	0.65	1.09	9%	36%	42%
MBL 35	blue silver	35%	51%	0.57	0.49	1.04	11%	46%	62%
MBL 20	blue silver	24%	61%	0.45	0.39	1.00	16%	47%	74%
MGN 35	green silver	35%	49%	0.59	0.51	1.05	9%	48%	62%
MGN 20	green silver	25%	60%	0.47	0.40	1.01	14%	51%	73%
MGD 35	gold silver	38%	58%	0.49	0.42	1.00	27%	37%	58%
MGD 20	gold silver	21%	73%	0.32	0.27	0.98	44%	36%	77%

Specialty Series™
DECORATIVE SPECIAL APPLICATION FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
UV Clear	clear	91%	12%	1.01	0.88	1.10	8%	6%	0%
White Frost	white	75%	24%	0.88	0.76	1.10	18%	11%	18%
Whiteout	white	14%	71%	0.34	0.29	1.10	60%	27%	85%
Blackout	black	0%	70%	0.36	0.30	1.10	6%	93%	100%

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

Solar specifications testing performed on film mounted to 1/8" (3mm) Starphire® Ultra-Clear glass. Tests, equipment and methods are in accordance with ASTM, ANSI and NFRC standards. Calculations performed using Lawrence Berkeley Lab's Optics/Window 5.2. Values expressed hereof are typical and provided for comparative purposes only.



Johnson® Window Films

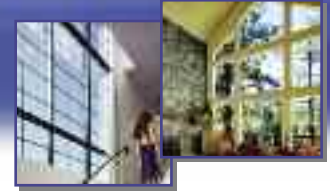
Manufactured by Johnson Laminating & Coating, Inc.
Carson, California USA

www.johnsonwindowfilms.com





FLAT GLASS FILMS



All of Johnson Flat Glass Films (except White Frost) reject 99% of harmful UV rays.

DaylightNatural™

NEUTRAL, NON-FADING SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
DN 60	neutral	61%	36%	0.75	0.64	1.08	10%	39%	31%
DN 50	neutral	48%	44%	0.65	0.56	1.08	13%	48%	46%
DN 35	neutral	36%	49%	0.60	0.51	1.08	18%	52%	60%
DN 20	neutral	22%	61%	0.45	0.39	1.06	25%	61%	75%
DN 15	neutral	17%	63%	0.44	0.37	1.06	18%	70%	81%

Sunset Bronze™

COPPER, NON-FADING SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SB 50	bronze	52%	50%	0.58	0.50	0.98	15%	43%	42%
SB 30	bronze	32%	65%	0.41	0.35	0.96	26%	50%	64%
SB 20	bronze	20%	75%	0.30	0.26	0.95	35%	51%	78%

Solar Silver™

SILVER, NON-FADING METALLIZED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SS 35	silver	39%	60%	0.47	0.40	0.98	32%	45%	56%
SS 20	silver	22%	72%	0.33	0.28	0.96	48%	46%	75%

ScenicView™

DUAL REFLECTIVE, NON-FADING FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
SV 40	dual reflective	48%	47%	0.61	0.53	1.05	15%	49%	46%
SV 30	dual reflective	32%	61%	0.45	0.39	1.02	30%	51%	64%
SV 10	dual reflective	9%	78%	0.27	0.22	1.04	51%	52%	90%

NightScape™

DUAL REFLECTIVE, NON-SPUTTERED FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
NS 35	dual reflective	35%	53%	0.54	0.47	1.01	17%	53%	61%
NS 25	dual reflective	27%	54%	0.53	0.46	1.02	15%	57%	70%
NS 15	dual reflective	16%	56%	0.52	0.44	1.03	13%	67%	82%

Palisade™

PREMIUM CERAMIC SOLAR PROTECTION

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION	IR REJECTION
PD 55	natural	57%	44%	0.65	0.56	1.07	11%	48%	36%	69%
PD 45	natural	48%	51%	0.58	0.50	1.06	13%	53%	46%	77%
PD 35	natural	41%	56%	0.52	0.44	1.05	16%	57%	54%	82%

Architectural™

COLOR METALLIZED SOLAR CONTROL FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
MBL 50	blue silver	51%	40%	0.69	0.60	1.07	9%	45%	43%
MBL 35	blue silver	34%	53%	0.55	0.47	1.02	11%	55%	62%
MBL 20	blue silver	24%	62%	0.45	0.38	0.99	15%	58%	73%
MGN 35	green silver	34%	52%	0.56	0.48	1.03	9%	57%	62%
MGN 20	green silver	24%	61%	0.46	0.39	0.99	13%	61%	73%
MGD 35	gold silver	37%	59%	0.48	0.42	0.99	26%	48%	58%
MGD 20	gold silver	21%	71%	0.34	0.29	0.96	41%	50%	76%

Specialty Series

DECORATIVE SPECIAL APPLICATION FILMS

FILM TYPE	COLOR	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY REJECTED	SHADING COEFFICIENT	SOLAR HEAT GAIN COEFFICIENT	U FACTOR NFRC	VISIBLE LIGHT REFLECTION	SOLAR ENERGY ABSORBED	GLARE REDUCTION
UV Clear	clear	88%	20%	0.92	0.80	1.08	8%	19%	1%
White Frost	white	72%	30%	0.81	0.70	1.08	18%	24%	19%
Whiteout	white	14%	70%	0.36	0.31	1.08	57%	43%	84%
Blackout	black	0%	69%	0.36	0.31	1.08	7%	94%	100%

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

Solar specifications testing performed on film mounted to 1/4" (6mm) clear glass.
 Tests, equipment and methods are in accordance with ASTM, ANSI and NFRC standards. Calculations performed using Lawrence Berkeley Lab's Optics/Window 5.2. Values expressed hereof are typical and provided for comparative purposes only.



Johnson Window Films

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

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