

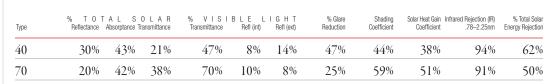
# **Increased Comfort**

# **Exclusive Series**

The installation of ASWF films will correct temperature imbalances in your building and reduce tenant complaints relating to hot or cold spots. Eyestrain will be minimized as annoying glare is cut and viewing of monitors and other electronics is improved.



Spectrally Select Multi-Stack Heat Reflector







Proprietary Technology Non-Reflective **Dual Pane Safe** 

Туре	% T O T Reflectance	ALS Absorptance Tr	OLAR ransmittance	% VISII Transmittance	BLEL Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	Infrared Rejection (IR) .78–2.25nm	% Total Solar Energy Rejection	NFRC Certified
10	37%	47%	16%	10%	6%	10%	89%	33%	28%	86%	72%	
20	31%	44%	25%	20%	8%	9%	78%	42%	36%	79%	64%	
35	28%	36%	36%	34%	9%	11%	63%	52%	45%	71%	55%	



### 3135 Marco Street, Las Vegas, Nevada 89115

fax.702.643.0509

tel.800.835.9676

www.**aswf**.com

A division of Erickson International LLC.

Important: All tested materials were applied on a ¼<sup>-</sup> clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

## **Reduced Energy Costs**

ASWF window films, when installed to the interior surface of your existing glass, will greatly increase the energy efficiency of your building. Windows are the predominant element of your building envelope; therefore, a third of the load on a building is derived from solar heat gain. Our films can reject up to 82% of total solar energy and deliver reductions in energy costs of 5% to 15% resulting in typical payback periods of two to three years.

In addition to a healthy return on investment (ROI), the energy savings and reductions in CO2 emissions derived from ASWF films contributes to a better environment. The installation of solar control films contributes points toward LEED certification. The value of a building and the corresponding lease rates tend to rise as LEED points are accumulated.

	Туре	% T O Reflectance	T A L S Absorptance		% V I S Transmittance	IBLE L Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
	40*	17%	51%	32%	45%	12%	13%	52%	53%	44%	56%	2
Legacy™	50	13%	47%	40%	51%	10%	12%	43%	61%	51%	49%	
<b>leg•a•cy</b>  leg'ə'sē'   a tradition that exists as a result of history	70*	7%	40%	53%	66%	8%	8%	28%	74%	62%	38%	٢
Sputtered Ti-Nitrade Technology	*Also ava	ilable in exterior										
1 07												
	Туре	% T O Reflectance	TAL S Absorptance		% V I S Transmittance	IBLE L Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Nature™	10	37%	55%	8%	9%	42%	43%	89%	29%	25%	75%	
i Nature	20*	23%	55%	22%	24%	25%	28%	73%	44%	35%	65%	
<b>na•ture</b>  nā'chər  an untouched realm for living things; the basics	30*	23%	51%	26%	30%	20%	25%	65%	45%	39%	61%	<u></u>
of life; purity	40	16%	46%	38%	43%	14%	17%	51%	58%	50%	50%	<u></u>
Sputtered Neutral	50	13%	43%	44%	49%	12%	14%	46%	67%	60%	40%	
	*Also ava	ilable in exterior										
	Туре	% T O Reflectance	T A L S Absorptance		% V I S Transmittance	IBLE L Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Daydream™	5	53%	36%	11%	6%	11%	50%	92%	24%	20%	80%	
J	15	38%	44%	18%	17%	13%	37%	81%	24%	29%	71%	
<b>day•dream</b>  dā'drēm'  enjoying pleasant visions while awake	25	32%	43%	25%	28%	18%	31%	68%	35%	36%	64%	
Dual Reflective Earth Tone	35	20%	45%	35%	38%	12%	18%	57%	47%	48%	52%	
Duai Reflective Earth Tone												
	Туре	% T O Reflectance	T A L S Absorptance		% V I S Transmittance	IBLE L Refl (int)	. I G H T Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Sky	10	51%	40%	9%	8%	13%	54%	91%	23%	17%	83%	٢
ЭКУ-	20	34%	44%	22%	23%	16%	33%	74%	39%	30%	70%	
<b>sky</b>  skī   the celestial regions; the unlimited; an expanded view	30	35%	41%	24%	30%	26%	34%	66%	40%	35%	65%	
Dual Reflective Blue/Gray	40	22%	42%	36%	37%	21%	28%	52%	54%	45%	55%	
2 am reflective blue, Gruy												
	Туре	% T O Reflectance	T A L S Absorptance	OLAR Transmittance	% V I S Transmittance	IBLE L Refl (int)	. I G H T Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Illusion™	7	52%	40%	8%	7%	13%	54%	92%	23%	15%	85%	
<b>il•lu•sion</b>   ĭ-lõo'zhən   an image												

### **il•lu•sion** | ĭ-loo'zhən | an image perceived in a way different from the way it is in reality

One Way Mirror

**Solar Series** 

Note: Films displaying the National Fenestration Rating Council logo 💁 are certified through the NFRC using industry standard testing calculations on 4 and 4 clear glass. Dimension X is NFRC certified for Architectural use. Call your sales representative for more information. Manufacturer - Erickson International LLC, Note: ASWF architectural window films, solar, protection and design series effectively block 99% Ultraviolet (UV) Rays.

The exterior appearance of your building will be dramatically improved with the installation of ASWF films to the existing
windows. The tope of your windows will be deeper allowing the glass to obscure window treatments or other furnishings

**Solar Series** 

Improved Aesthetics

windows. The tone of your windows will be deeper allowing the glass to obscure window treatments or other furnishings currently visible through your glass. With these deeper tones, the glazing portion of the building envelope will have a consistent, uniform appearance.

The interior aesthetics of your building will be impacted favorably as well. ASWF films reduce factors that contribute to fading, thereby, extending the life and maintaining the appearance of interior furnishings. The overall ambience of the interior space is improved as tenants allow soft filtered light to enter the space.

Reflection re-flec-tion  rĭ-flěk'shən   a mirrored image; a surface bouncing off light, heat or images Silver	Type 20* 35* 50 *Also ava	% T 0 Reflectance 60% 39% 29% illable in exterio	T A L S Absorptance 30% 36% 35%		% VIS Transmittance 14% 33% 48%	1 B L E 1 Ref (int) 64% 41% 26%	- 1 G H T Refl(ext) 64% 42% 28%	% Glare Reduction 84% 63% 47%	Shading Coefficient           21%           40%           54%	Solar Heat Gain           Coefficient           16%           35%           45%	% Total Solar Energy Rejection 84% 65% 55%	NFRC Certified
	Туре	% T O Reflectance	T A L S Absorptance	OLAR Transmittance	% V I S Transmittance	IBLE I Refl (int)	- I G H T Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Moonlight	5	25%	61%	14%	6%	7%	13%	93%	35%	30%	70%	2
0	10	21%	59%	20%	10%	13%	12%	89%	41%	36%	64%	
<b>moon</b> • <b>light</b>  moon'lit'  the subtle light that assists the night	25	23%	50%	27%	24%	17%	12%	73%	46%	40%	60%	
Dye/Metal/Dye Non-Reflective												
	Туре	% T O Reflectance	T A L S Absorptance	OLAR Transmittance	% V I S Transmittance	IBLE I Refl (int)	- I G H T Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Horizon≞	20	48%	41%	11%	18%	39%	35%	80%	25%	20%	80%	
I IOIIZOII	35	36%	41%	23%	33%	27%	23%	63%	39%	34%	66%	
<b>ho•ri•zon</b>   hə-rī 'zən   the point where land or sea meets sky; looking forward to the future <b>Sputtered Bronze</b>												
	Туре	% T O Reflectance	T A L S Absorptance	OLAR Transmittance	% V I S Transmittance	IBLE I Refl (int)	- I G H T Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
Firewall™	70	8%	49%	44%	69%	8%	8%	24%	65%	57%	43%	
	<b>FLR</b> 4	45 35%	32%	33%	43%	9%	8%	53%	48%	39%	61%	
fire•wall  fīr´wôl   a protective measure used as a shield or barrier	FLR	75 37%	17%	46%	75%	10%	10%	18%	59%	49%	51%	
Spectrally Select												









# **Enhanced Safety**

ASWF films mitigate damage due to failed glass in the event of breakage from accidents, natural disaster or terrorism. Retrofit of fragment retention films is a require- ment for government organizations such as the General Services Administration (GSA). The GSA is the single largest tenant of commercial space in the United States.



Safety Series

The Crystal Guard safety series provides protection from UV rays. It can also help prevent glass from breaking on impact, holding shattered glass together when breakage occurs. The ideal way to prevent flying shards due to earthquakes, blasts, or hostile intrusions. Crystal Guard upgrades windows and doors to be the first line of defense during and after projectile impact. Crystal Guard aims to be a deterrent preventing or delaying attackers from breaching school premises, buying precious minutes to execute emergency plans and extend law enforcement response time.



Туре	% T O Reflectance	T A L S Absorptance	OLAR Transmittance	% VISIE Transmittance	BLEL Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection
4 mil	9%	10%	81%	89%	10%	10%	1%	<b>9</b> 7%	84%	16%
7 mil*	9%	12%	79%	88%	10%	10%	2%	94%	82%	18%
8 mil*/**	9%	13%	78%	87%	8%	8%	1%	93%	82%	18%
11 mil	9%	13%	78%	85%	11%	11%	6%	93%	81%	19%
12 mil*	9%	13%	78%	87%	8%	8%	1%	93%	81%	19%
14 mil†	9%	13%	78%	86%	8%	8%	1%	93%	81%	19%
16 mil‡	9%	13%	78%	85%	8%	8%	1%	93%	81%	19%
18 mil	9%	14%	77%	85%	8%	8%	1%	93%	81%	19%
21 mil	9%	14%	77%	85%	8%	8%	1%	93%	81%	19%
24 mil	9%	14%	77%	84%	8%	8%	1%	93%	81%	19%

\* Also available in exterior

\*\* Include ANSI Z97 Certification – We have qualified our 12 mil safety film for ANSI Z97.1 and CPSC 16 CFR 1201 - 
\$
the control of the set of This testing simulates human impact loads on glazed areas, including glass mirrors, in hazardous locations.

<sup>†</sup> Also available in 14 mil stack

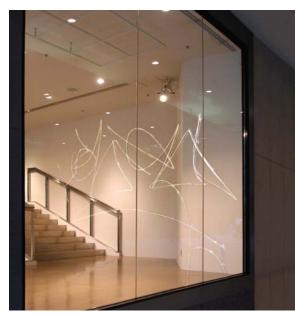
This testing is the standard for burglary and forced entry resistance glazing materials.

	% T 0	TALS	OLAR	% VISI	BLE L	IGHT	% Glare	Shading	Solar Heat Gain	% Total Solar
Туре	Reflectance	Absorptance	Transmittance	Transmittance	Refl (int)	Refl (ext)	Reduction	Coefficient	Coefficient	Energy Rejection
Aurora 8 mil 70	13%	34%	41%	71%	7%	13%	25%	57%	50%	50%
Daydream 9 mil 25	32%	43%	25%	28%	18%	31%	68%	35%	36%	64%
Nature 8 mil 20	23%	55%	22%	24%	25%	28%	73%	44%	38%	62%
Nature 8 mil 40	16%	46%	38%	43%	14%	17%	51%	58%	50%	50%
Reflection 8 mil 20	60%	30%	10%	14%	64%	64%	84%	21%	18%	82%

The Anti-Graffiti series defies vandals in two ways. First, by eliminating the need to replace windows. Graffiti Series Second, by facilitating easy restoration without scratching, for a fast clean-up that discourages vandals.

Anti-Graffitiª	Туре	% T O Reflectance		OLAR Transmittance	% VISI Transmittance	BLEL Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient E	% Total Solar nergy Rejection
	4 mil	9%	10%	81%	89%	10%	10%	1%	97%	84%	16%
<b>an•ti-graf•fi•ti</b>  ăn'tī-grə-fē'tē  opposed to the marked or painted	6 mil	8%	13%	79%	89%	10%	10%	1%	95%	83%	17%
defacement of property	6 mil EZ Install	8%	13%	79%	89%	10%	10%	1%	95%	83%	17%
	7 mil	9%	12%	79%	88%	10%	10%	2%	94%	82%	18%
<b>Design Series</b>										ows clear gl rporate log	
	Туре			OLAR Transmittance	% VISI Transmittance	BLEL Refl (int)	IGHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient E	% Total Solar nergy Rejection
White Frost		20%	11%	69%	75%	25%	22%	17%	84%	73%	27%
White Out		66%	16%	18%	14%	84%	87%	84%	25%	23%	77%
Black Out		11%	89%	0%	0%	13%	8%	100%	34%	29%	71%
UV Clear		9%	10%	81%	89%	9%	9%	1%	97%	84%	16%
Removable White Frost		20%	11%	69%	75%	25%	22%	17%	84%	73%	27%
Removable Black Out		11%	89%	0%	0%	13%	8%	100%	34%	29%	71%





The safety series provides solar protection from UV rays. It can also help prevent glass from breaking on impact, and holds shattered glass together when breakage occurs. The ideal way to prevent flying shards due to earthquakes, blasts, collisions or projectile impact.

LELI Refl (int)	GHT Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient Ene	% Total Solar ergy Rejection
10%	10%	1%	97%	84%	16%
10%	10%	1%	95%	83%	17%
10%	10%	1%	95%	83%	17%
10%	10%	2%	94%	82%	18%