

## Exclusive Series

### AURORA

Spectrally Select  
Multi-Stack  
Heat Reflector

**Increased Comfort**  
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.

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	Infrared Rejection (IR) 75-2.25um	% Total Solar Energy Rejection	NFRC Certified
40	30%	43%	21%	47%	8%	14%	47%	44%	38%	94%	62%	
70	20%	42%	38%	70%	10%	8%	25%	59%	51%	91%	50%	



### Twilight

Proprietary Technology  
Non-Reflective  
Dual Pane Safe

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	Infrared Rejection (IR) 75-2.25um	% 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%	



## Solar Series

### Legacy

leg-a-cy |leg'a'se| a tradition that exists as a result of history  
Sputtered Ti-Nitride Technology

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light 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%	
50	13%	47%	40%	51%	10%	12%	43%	61%	51%	49%	
70*	7%	40%	53%	66%	8%	8%	28%	74%	62%	38%	

\*Also available in exterior

### Nature

na-ture |nā'chər| an untouched realm for living things; the basics of life; purity  
Sputtered Neutral

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
10	37%	55%	8%	9%	42%	43%	89%	29%	25%	75%	
20*	23%	55%	22%	24%	25%	28%	73%	44%	35%	65%	
30*	23%	51%	26%	30%	20%	25%	65%	45%	39%	61%	
40	16%	46%	38%	43%	14%	17%	51%	58%	50%	50%	
50	13%	43%	44%	49%	12%	14%	46%	67%	60%	40%	

\*Also available in exterior

### Daydream

day-dream |dā'drēm| enjoying pleasant visions while awake  
Dual Reflective Earth Tone

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
5	53%	36%	11%	6%	11%	50%	92%	24%	20%	80%	
15	38%	44%	18%	17%	13%	37%	81%	24%	29%	71%	
25	32%	43%	25%	28%	18%	31%	68%	35%	36%	64%	
35	20%	45%	35%	38%	12%	18%	57%	47%	48%	52%	

### Sky

sky |skī| the celestial regions; the unlimited; an expanded view  
Dual Reflective Blue/Gray

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
10	51%	40%	9%	8%	13%	54%	91%	23%	17%	83%	
20	34%	44%	22%	23%	16%	33%	74%	39%	30%	70%	
30	35%	41%	24%	30%	26%	34%	66%	40%	35%	65%	
40	22%	42%	36%	37%	21%	28%	52%	54%	45%	55%	

### Illusion

il-lu-sion |i-lō'shon| an image perceived in a way different from the way it is in reality  
One Way Mirror

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
7	52%	40%	8%	7%	13%	54%	92%	23%	15%	85%	

Note: Films displaying the National Fenestration Rating Council logo are certified through the NFRC using industry standard testing calculations on % and % 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.

## Solar Series

### Reflection

re-flec-tion |ri-'flek'shan| a mirrored image; a surface bouncing off light, heat or images  
Silver

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
20*	60%	30%	10%	14%	64%	64%	84%	21%	16%	84%	
35*	39%	36%	25%	33%	41%	42%	63%	40%	35%	65%	
50*	29%	35%	36%	48%	26%	28%	47%	54%	45%	55%	

\*Also available in exterior

### Moonlight

moon-light |mūn'lit| the subtle light that assists the night  
Dye/Metal/Dye Non-Reflective

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
5	25%	61%	14%	6%	7%	13%	93%	35%	30%	70%	
10	21%	59%	20%	10%	13%	12%	89%	41%	36%	64%	
25	23%	50%	27%	24%	17%	12%	73%	46%	40%	60%	

### Horizon

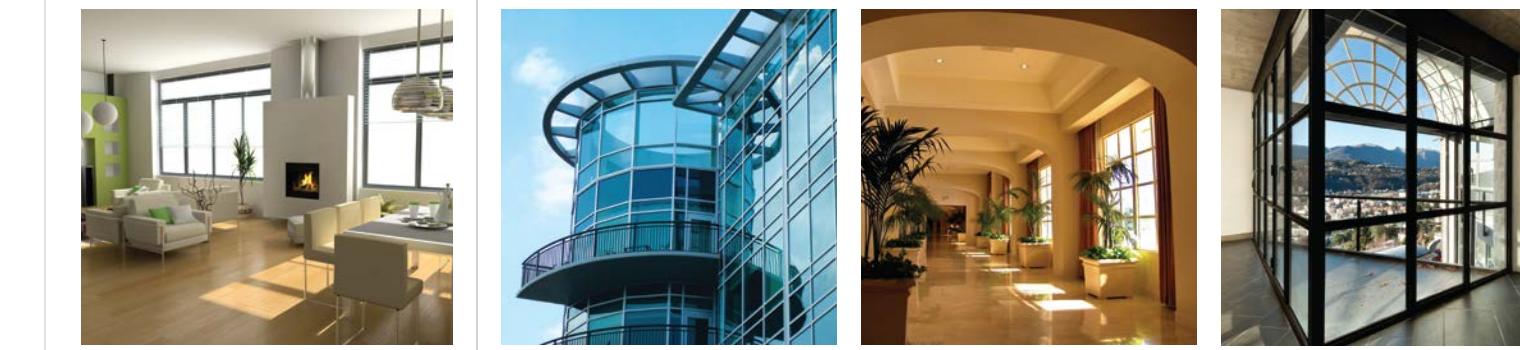
ho-ri-zon |hō-'rī-zən| the point where land or sea meets sky; looking forward to the future  
Sputtered Bronze

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
20	48%	41%	11%	18%	39%	35%	80%	25%	20%	80%	
35	36%	41%	23%	33%	27%	23%	63%	39%	34%	66%	

### Firewall

fire-wall |fir'wōl| a protective measure used as a shield or barrier  
Spectrally Select

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
70	8%	49%	44%	69%	8%	8%	24%	65%	57%	43%	
FLR45	35%	32%	33%	43%	9%	8%	53%	48%	39%	61%	
FLR75	37%	17%	46%	75%	10%	10%	18%	59%	49%	51%	



Note: Films displaying the National Fenestration Rating Council logo are certified through the NFRC using industry standard testing calculations on % and % 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.

## Safety Series

### CrystalGuard

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.

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection	NFRC Certified
20*	60%	30%	10%	14%	64%	64%	84%	21%	16%	84%	
35*	39%	36%	25%	33%	41%	42%	63%	40%	35%	65%	
50*	29%	35%	36%	48%	26%	28%	47%	54%	45%	55%	
5	25%	61%	14%	6%	7%	13%	93%	35%	30%	70%	
10	21%	59%	20%	10%	13%	12%	89%	41%	36%	64%	
25	23%	50%	27%	24%	17%	12%	73%	46%	40%	60%	
20	48%	41%	11%	18%	39%	35%	80%	25%	20%	80%	
35	36%	41%	23%	33%	27%	23%	63%	39%	34%	66%	

\* Also available in exterior

### Solar Safety

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.

Type	Testing Certificate	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection
4 mil		9%	10%	81%	89%	10%	10%	1%	97%	84%	16%
7 mil*		9%	12%	79%	88%	10%	10%	2%	94%	82%	18%
8 mil*	ANSI Z97	9%	13%	78%	87%	8%	8%	1%	93%	82%	18%
11 mil		9%	13%	78%	85%	11%	11%	6%	93%	81%	19%
12 mil*	ANSI Z97	9%	13%	78%	87%	8%	8%	1%	93%	81%	19%
14 mil**		9%	13%	78%	86%	8%	8%	1%	93%	81%	19%
16 mil	UL 972	9%	13%	78%	85%	8%	8%	1%	93%	81%	19%
18 mil		9%	14%	77%	85%	8%	8%	1%	93%	81%	19%
21 mil	ASTM F3564-Level 2	9%	14%	77%	85%	8%	8%	1%	93%	81%	19%
24 mil	ASTM F3564-Level 2	9%	14%	77%	84%	8%	8%	1%	93%	81%	19%

\* Also available in exterior \*\*Also available in 14 mil stack

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar 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%

## Graffiti Series

### Anti-Graffiti

an-ty-graf-fi-ti |ān'tī-grō-'fē-tē| opposed to the marked or painted defacement of property

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

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection
4 mil	9%	10%	81%	89%	10%	10%	1%	97%	84%	16%
6 mil	8%	13%	79%	89%	10%	10%	1%	95%	83%	17%
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%

## Design Series

### White Frost

ASWF offers the Design Series for application to interior glazing. This series allows clear glass to be transformed into unique design elements by introducing color, patterns or corporate logos.

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection
	20%	11%	69%	75%	25%	22%	17%	84%	73%	27%

### White Out

Type	% Total Solar Reflectance	% Total Solar Absorptance	% Total Solar Transmittance	% Visible Light Transmittance	% Visible Light Refl (int)	% Visible Light Refl (ext)	% Glare Reduction	Shading Coefficient	Solar Heat Gain Coefficient	% Total Solar Energy Rejection
	66%	16%	18%	14%	84%	87%	84%	25%	23%	77%