

# ARCHITECTURAL WINDOW FILM INFORMATIONAL BOOK



WWW.FLEXFILMSTORE.COM

### **Company Summary**

At Flexfilm, we are familiar with what it takes to run a successful window tinting business. Because of this, we are able to anticipate the needs of our customers like no one else. We are dedicated to supporting and working with our customers to ensure their success.

Our goal as a company is two-fold: to offer our installers the highest quality products at the best price while offering customer care that goes above and beyond and to provide the end customer with high performance products full of solar benefits that provides comfort and protection.

Flexfilm started humbly in a driveway in 1987 when Ralph Van Pelt tinted his Nissan Pulsar. Soon after, Window Tinting by Ralph Van Pelt was born in that same driveway where he honed his skills and learned the trade.

During the 1990s, Ralph partnered with local stereo shops, working with them to create and manage their window tinting service. In 1996, Ralph found success in his first shop, Special FX. Using all his wisdom and experience, Ralph ventured into the manufacturing and distribution of window film, opening Flexfilm's doors in 2011, and Flexfilm has been dedicated to offering the best quality products ever since.







## **CHROMOFLEX**



- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Pressure sensitive adhesive
- Suitable for most glass types

SILVER RE	FLECTIVE	15%
Visible Ligh	t Transmitted	16.2%
Visible Light	External	55.0%
Reflected	Internal	59.3%
	Transmitted	12.7%
Solar Heat	Reflected	46.8%
	Absorbed	40.5%
IR Rejected	900-1000nm	87.5%
ik kejecteu	780-2500nm	93.2%
UV Re	ejection	~99%
Total Solar Energ	74.4%	
Shading (	0.29	
Solar Heat Gain (	0.26	
Glare R	eduction	82

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CHI	ROMOFLEX   SILVER REFL	ECTIVE SERIES		
	GLASS TYPE	GLASS THICKNESS		15%
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
ANE	<u> </u>	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	
	THAT ARREADED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft²	1
	SEE/ III / III II / IEE	1/0 - 1/4	30 - 40 ft²	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	
DUAL	131 30K AGE HIVES 1/0 - 1/4	30 - 40 ft²		
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	
	2113 33117132 1111123	1/0 - 1/4	30 - 40 ft²	X
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
RIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft²	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	
	2011 2 017 11.127 11.12	1/0 - 1/4	30 - 40 ft²	
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft²	
LOW E	<u> </u>	1/0 - 1/4	30 - 40 ft <sup>2</sup>	X
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	
		1,0 1,7	30 - 40 ft²	X
	LAMINATED	1/8" - 1/4"	Any Size	Χ

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



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Visible Ligh	t Transmitted	18.2%
Visible Light	External	55.0%
Reflected	Internal	59.3%
	Transmitted	12.7%
Solar Heat	Reflected	46.8%
	Absorbed	40.5%
IR Rejected	900-1000nm	87.5%
ik kejecteu	780-2500nm	93.2%
UV Re	jection	~99%
Total Solar Energ	74.4%	
Shading (	0.29	
Solar Heat Gain C	0.26	
Glare Reduction		82

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СН	ROMOFLEX   SILVER REF	LECTIVE SERIES		
	GLASS TYPE	GLASS THICKNESS		20%
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
ANE		1/0 - 1/4	40 - 100 ft²	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	
	1111711111271228	1/0 - 1/4	40 - 100 ft²	
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		1/0 - 1/4	30 - 40 ft²	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
DUAL		1/0 1/4	30 - 40 ft²	<b>A</b>
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>
		_, C _, .	30 - 40 ft²	Χ
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPL	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
		_,, _,	30 - 40 ft²	
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
LOW E			30 - 40 ft²	Χ
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
			30 - 40 ft²	Χ
	LAMINATED	1/8" - 1/4"	Any Size	X

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SILVER RE	FLECTIVE	35%
Visible Ligh	t Transmitted	36.7%
Visible Light	External	38.5%
Reflected	Internal	42.3%
	Transmitted	23.2%
Solar Heat	Reflected	34.1%
	Absorbed	42.7%
IR Rejected	900-1000nm	78.7%
ik kejecteu	780-2500nm	86.1%
UV Re	jection	~99%
Total Solar Energ	62.9%	
Shading (	0.42	
Solar Heat Gain C	0.37	
Glare R	67	

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	GLASS TYPE	GLASS THICKNESS		35%
	GLEAR ANNIENTER	4 (0) 4 (4)	Up to 40 ft²	1
NE	CLEAR ANNEALED 1/8" - 1/4"	40 - 100 ft²	1	
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
	TINT ANNUALLD	1/6 - 1/4	40 - 100 ft²	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	CLEAN ANNEALLS	1/0 - 1/4	30 - 40 ft²	1
PANE	1ST SURFACE TINTED 1/8" - 1/4"  2ND SURFACE TINTED 1/8" - 1/4"	1/8" - 1/ <i>4</i> "	Up to 30 ft²	
DUAL		30 - 40 ft²		
		1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
		1/0 1/4	30 - 40 ft²	
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
PAN	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft²	X
TRIPLE PANE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	
		1/0 1/1	30 - 40 ft²	<b>A</b>
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
LOW E		2,0 2, 1	30 - 40 ft²	
		1/8" - 1/4"	Up to 30 ft²	
		<b></b> .	30 - 40 ft <sup>2</sup>	<b>A</b>
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



### **DUALFLEX**

**DUALFLEX | DUAL REFLECTIVE SERIES** 

**GLASS TYPE** 



5%

- Very popular
- Highly reflective metallized outer layer
- High visibility carbon inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Neutral gray color and appearance
- Suitable for most glass types

DUAL REFLECTIVE 5%			
Visible Ligh	t Transmitted	8.2%	
Visible Light	External	55.7%	
Reflected	Internal	18.1%	
	Transmitted	7.5%	
Solar Heat	Reflected	47.8%	
	Absorbed	44.7%	
IR Rejected	900-1000nm	91.4%	
IK Kejecteu	780-2500nm	94.8%	
UV Re	jection	~99%	
Total Solar Energ	78%		
Shading (	0.25		
Solar Heat Gain C	0.22		
Glare Reduction		90.9	

	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
ANE			40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
NIS	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
			40 - 100 ft <sup>2</sup>	
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			30 - 40 ft <sup>2</sup>	1
PANE	1ST SURFACE TINTED	1/0   1/4	Up to 30 ft <sup>2</sup>	
DUAL PANE	131 SURFACE HINTED	1/8" - 1/4"	30 - 40 ft <sup>2</sup>	
Ī			Up to 30 ft <sup>2</sup>	
	2ND SURFACE TINTED	1/8" - 1/4"	30 - 40 ft²	
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft²	Χ
TRIPLE PANE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	Χ
٦	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
	LOW E STANDAND	1/6 - 1/4	30 - 40 ft <sup>2</sup>	
	E2 OR PLUS	1/0   1/4	Up to 30 ft²	
LOW E	LE UN FLUS	1/8" - 1/4"	30 - 40 ft <sup>2</sup>	
	E3 OF PLUS PLUS	1/0" 1/4"	Up to 30 ft²	
	E3 UF PLU3 PLU3	1/8" - 1/4"	30 - 40 ft²	
	LAMINATED	1/8" - 1/4"	Any Size	Χ
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**THICKNESS** 

**✓** COMPATIBLE

**▲ CAUTION: PRE-APPROVAL REQUIRED** 



### **DUALFLEX**



- Very popular
- Reflective metallized outer layer
- High visibility carbon inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Neutral gray color and appearance
- Suitable for most glass types

DUAL REFLECTIVE		15%
Visible Ligh	t Transmitted	14.2%
Visible Light	External	32.5%
Reflected	Internal	10.6%
	Transmitted	14.9%
Solar Heat	Reflected	30.5%
	Absorbed	54.6%
IR Rejected	900-1000nm	82.9%
ik kejecteu	780-2500nm	86.5%
UV Re	ejection	~99%
Total Solar Energ	67%	
Shading Coefficient		0.37
Solar Heat Gain Coefficient (SHGC)		0.33
Glare Reduction		84.2

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	DUALFLEX   DUAL REFLECTIVE SERIES				
		GLASS TYPE	GLASS THICKNESS		15%
		CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
	ANE	CLLAN ANNUALLS	1/0 - 1/4	40 - 100 ft²	1
	SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
	NIS	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
		,	1/0 - 1/4	40 - 100 ft <sup>2</sup>	<b>√</b>
		CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft²	1
			1/0 - 1/4	30 - 40 ft <sup>2</sup>	1
	<b>DUAL PANE</b>	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	
	DUAL		1/0 - 1/4	30 - 40 ft <sup>2</sup>	
		2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
			1/0 1/4	30 - 40 ft <sup>2</sup>	Χ
1	ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
	TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	TRIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
		TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
1		LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	X
			1,0 1,1	30 - 40 ft²	Χ
		E2 OR PLUS	1/8" - 1/4"	Up to 30 ft²	X
	LOW E		1,0 1,1	30 - 40 ft <sup>2</sup>	Χ
		E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
		-	_,, +	30 - 40 ft <sup>2</sup>	X
		LAMINATED	1/8" - 1/4"	Any Size	Χ

**✓** COMPATIBLE

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- Moderately reflective metallized outer layer
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DUAL REFLECTIVE 25%			
Visible Ligh	t Transmitted	25.7%	
Visible Light	External	32.4%	
Reflected	Internal	20.8%	
	Transmitted	22.4%	
Solar Heat	Reflected	31.0%	
	Absorbed	46.7%	
IR Rejected	900-1000nm	77.7%	
ik kejected	780-2500nm	84.5%	
UV Re	jection	~99%	
Total Solar Energ	62%		
Shading (	0.43		
Solar Heat Gain (	0.38		
Glare Reduction		71.5	

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DUALFLEX   DUAL REFLECTIVE SERIES				
	GLASS TYPE	GLASS THICKNESS		25%
	CLEAR ANNEALED	4 /01 4 / 41	Up to 40 ft <sup>2</sup>	<b>√</b>
H N		1/8" - 1/4"	40 - 100 ft²	1
SINGI F PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
Z.	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
	THY ANNEALES	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		1/0 - 1/4	30 - 40 ft²	1
DIIAI PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	
I I	201 0017.02 11.22	1/0 - 1/4	30 - 40 ft²	
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	X
		1/0 - 1/4	30 - 40 ft²	Χ
L	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
NAG	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
TRIPI F PANE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	X
		1/0 1/4	30 - 40 ft²	X
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
N C		1/0 1/4	30 - 40 ft <sup>2</sup>	Χ
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
		1,0 1,7	30 - 40 ft²	X
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



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DUAL REFLECTIVE 35		
Visible Ligh	t Transmitted	35.2%
Visible Light	External	24.8%
Reflected	Internal	19.0%
	Transmitted	30.4%
Solar Heat	Reflected	24.3%
	Absorbed	45.4%
IR Rejected	900-1000nm	70.8%
iik Kejecteu	780-2500nm	78.2%
UV Re	jection	~99%
Total Solar Energ	gy Rejected (TSER)	55%
Shading (	0.52	
Solar Heat Gain (	0.45	
Glare R	eduction	61

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I	DUALFLEX   DUAL REFLECTIVE SERIES				
		GLASS TYPE	GLASS THICKNESS		35%
		CLEAR ANNEALED	1/0" 1/4"	Up to 40 ft²	1
	A N E	CLEAR ANNEALED	1/8" - 1/4"	40 - 100 ft <sup>2</sup>	1
	SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
	<u>z</u>	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
		THAT ALLACED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
		CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			1/0 - 1/4	30 - 40 ft²	1
	DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
	DUAL		1/0 1/4	30 - 40 ft²	<b>A</b>
		2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
			1,0 1,1	30 - 40 ft²	X
		CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
1	7 2	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
		TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
		LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	X
			_,, .	30 - 40 ft²	Χ
	ш	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOWE		<b>1</b> , <b>0 1</b> , 1	30 - 40 ft²	Χ
		E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
			_, _ <b>_,</b> .	30 - 40 ft <sup>2</sup>	X
		LAMINATED	1/8" - 1/4"	Any Size	Χ

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



### **SPUTTERFLEX BRONZE**



- Highly reflective metallized outer layer
- Highly reflective metallized inner layer
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Warm, copper color and appearance

#### **BRONZE**

SPUTTERED		20%
Visible Light	Transmitted	23%
Visible Light	External	28%
Reflected	Internal	33%
	Transmitted	14%
Solar Heat	Reflected	33%
	Absorbed	53%
IR Rej	76%	
UV Rej	ection	~99%
Total Solar Energy	71%	
Shading C	0.33	
Solar Heat Gain Coefficient (SHGC)		0.29
Glare Reduction		75

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S	PL	ITTERFLEX   SPUTTER	ED SERIES		BRONZE	
		GLASS TYPE	GLASS THICKNESS		20%	
		CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	<b>✓</b>	
LIVE	ANE		1/0 - 1/4	40 - 100 ft <sup>2</sup>	<b>✓</b>	
1 1 2	SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1	
2	2	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	<b>√</b>	
			1/0 1/1	40 - 100 ft²	1	
		CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>✓</b>	
				30 - 40 ft <sup>2</sup>		
	UUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>		
				30 - 40 ft <sup>2</sup>		
		2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>	
				30 - 40 ft <sup>2</sup>		
L		CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X	
	IRIPLE PANE	CLEAR / CLEAR / LOW 3	3 1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X	
Ē	7	TINTED / CLEAR / CLEAR	R 1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X	
		TINTED / CLEAR / LOW	E 1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X	
		LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²		
					30 - 40 ft²	
	u	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>		
2	3			30 - 40 ft <sup>2</sup>		
		E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²		
				30 - 40 ft <sup>2</sup>		
		LAMINATED	1/8" - 1/4"	Any Size	X	

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



### **SPUTTERFLEX BRONZE**



- Reflective metallized outer layer
- Reflective metallized inner layer
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Warm, copper color and appearance
- Suitable for most glass types

#### **BRONZE**

SPUTTERED		35%
Visible Light	Transmitted	35%
Visible Light	External	18%
Reflected	Internal	24%
	Transmitted	24%
Solar Heat	Reflected	24%
	Absorbed	52%
IR Rejected		68%
UV Rej	ection	~99%
Total Solar Energy	y Rejected (TSER)	62%
Shading Coefficient		0.44
Solar Heat Gain Coefficient (SHGC)		0.38
Glare Reduction		61

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SPL	JTTERFLEX   SPUTTERED	SERIES		BRONZE
	GLASS TYPE	GLASS THICKNESS		35%
	CLEAR ANNEALED	1/01 1/41	Up to 40 ft²	1
ANE	CLEAR ANNEALED	1/8" - 1/4"	40 - 100 ft²	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
	THAT ARRESTEED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		1/6 1/4	30 - 40 ft <sup>2</sup>	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	1
DUAL		_,, .	30 - 40 ft <sup>2</sup>	<b>✓</b>
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			30 - 40 ft²	1
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPL	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft²	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	1
			30 - 40 ft²	1
ш	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>
LOW E			30 - 40 ft <sup>2</sup>	
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	
			30 - 40 ft <sup>2</sup>	
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



### **SPUTTERFLEX NEUTRAL**

- Highly reflective metallized outer layer
- Highly reflective metallized inner layer
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Soft, neutral color and appearance

#### **NEUTRAL**

SPUTTER	20%	
Visible Ligh	t Transmitted	19%
Visible Light	External	29%
Reflected	Internal	31%
	Transmitted	17%
Solar Heat	Reflected	23%
	Absorbed	60%
IR Rejected		64%
UV Rejection		~99%
Total Solar Energ	64%	
Shading (	0.41	
Solar Heat Gain Coefficient (SHGC)		0.36
Glare Ro	78	

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SPL	JTTERFLEX   SPUTTERED	SERIES		NEUTRAL
	GLASS TYPE	GLASS THICKNESS		20%
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
ANE	SEE/ III / IIII IE/ IEEB	1/0 - 1/4	40 - 100 ft <sup>2</sup>	<b>✓</b>
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
NIS	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	<b>✓</b>
	,	1/0 - 1/4	40 - 100 ft²	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>✓</b>
		1/0 1/4	30 - 40 ft²	
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
DUAL		_,, _	30 - 40 ft²	
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>
		2,0 2, .	30 - 40 ft²	X
_	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
PAN	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPLE PANE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOW E STANDARD 1/8" -	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
		1,0 1,1	30 - 40 ft²	Χ
ш	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>
LOW E		1,0 1,1	30 - 40 ft²	X
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
		_, _ <b>_,</b> .	30 - 40 ft²	X
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



### **SPUTTERFLEX NEUTRAL**

- Reflective metallized outer layer
- Reflective metallized inner layer
- Exceptional heat reflectance
- UV protection
- High IR rejection
- High glare reduction
- Soft, neutral color and appearance
- Suitable for most glass types

#### **NEUTRAL**

SPUTTERED		35%
Visible Light	Transmitted	35%
Visible Light	External	17%
Reflected	Internal	19%
	Transmitted	30%
Solar Heat	Reflected	14%
	Absorbed	56%
IR Rejected		53%
UV Rejection		~99%
Total Solar Energ	y Rejected (TSER)	53%
Shading Coefficient		0.55
Solar Heat Gain Coefficient (SHGC)		0.47
Glare Re	duction	61

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SP	UTTERFLEX   SPUTTERED	SERIES		NEUTRAL
	GLASS TYPE	GLASS THICKNESS		35%
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
ANE	CLEAN ANNIALLE	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
	,	1/0 - 1/4	40 - 100 ft²	<b>✓</b>
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>✓</b>
		1/0 1/4	30 - 40 ft <sup>2</sup>	
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>√</b>
DUAL		1,0 1,1	30 - 40 ft <sup>2</sup>	<b>A</b>
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	<b>A</b>
		_,, .	30 - 40 ft <sup>2</sup>	
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
TRIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	Χ
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
	EGW E STANDARD	1/0 1/4	30 - 40 ft²	<b>A</b>
ш	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
LOW		1,0 1,1	30 - 40 ft <sup>2</sup>	
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	
		_,,	30 - 40 ft²	<b>A</b>
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## 4mil

### **VANDALFLEX**



- Exterior application only
- Reduces damage caused by graffiti, etching, and tagging
- Easy to peel-off and replace
- UV protection
- Exterior installation
- Suitable for most glass types

ANTI-GRAFFITI		4mil
Visible Light	Transmitted	84%
Visible Light	Visible Light External	
Reflected	Internal	8.6%
	Transmitted	82%
Solar Heat	Reflected	7%
	Absorbed	11%
UV Rej	~99%	
Total Solar Energy Rejected (TSER)		17%
Shading Coefficient		0.97

SA	FETYFLEX   SAFETY & SE	CURITY SERIES		
	GLASS TYPE	GLASS THICKNESS		4MIL
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
ANE	SEEAN ANNEALED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
		1/0 1/4	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		1/0 1/4	30 - 40 ft <sup>2</sup>	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	1
DUAL		270 271	30 - 40 ft <sup>2</sup>	1
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		2,0 2,1	30 - 40 ft <sup>2</sup>	1
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
TRIPL	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			30 - 40 ft <sup>2</sup>	1
ш	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
MOI			30 - 40 ft <sup>2</sup>	1
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	1
			30 - 40 ft²	1
	LAMINATED	1/8" - 1/4"	Any Size	1

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## 7mil

### **VANDALFLEX**



- Exterior application only
- Reduces damage caused by graffiti,
   etching, and tagging
- Easy to peel-off and replace
- UV protection
- Exterior installation
- Suitable for most glass types

ANTI-GRAFFITI		7mil
Visible Light	Transmitted	84%
Visible Light External		8.6%
Reflected	Internal	8.6%
	Transmitted	80%
Solar Heat	Reflected	8%
	Absorbed	12%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		18%
Shading Coefficient		0.94

SA	FETYFLEX   SAFETY & SEC	CURITY SERIES		
	GLASS TYPE	GLASS THICKNESS		7MIL
	CLEAR ANNEALED	1/0   1/4	Up to 40 ft <sup>2</sup>	1
N E	CLEAR ANNEALED	1/8" - 1/4"	40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
	TINI ANNEALLD	1/6 - 1/4	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft²	1
	CLEAN ANNEALLS	1/6 - 1/4	30 - 40 ft²	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	1
DUAL	131 36KI AGE IIIVIEB	1/0 - 1/4	30 - 40 ft²	1
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	ENS SSIN AGE HITTES	1/0 - 1/4	30 - 40 ft²	1
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	1
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
RIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	1
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	1
	2011 2 017 111 127 111 12	1/0 - 1/4	30 - 40 ft²	1
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
LOW E	<u> </u>	1/0 - 1/4	30 - 40 ft²	1
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	1
		1/0 1/4	30 - 40 ft²	1
	LAMINATED	1/8" - 1/4"	Any Size	1

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## **WHITE FROST**



- Highly decorative
- Creates privacy
- Translucent "frosted" glass look
- Suitable for most glass types

DECORATI	IVE White	Fract		
DECUKATI	IVE WITH	LIUST		
Visible Light	: Transmitted	68%		
Visible Light	External	18%		
Reflected	Internal	16%		
	Transmitted	63%		
Solar Heat	Reflected	18%		
	Absorbed	19%		
IR Reje	ection	53%		
UV Rej	ection	~99%		
Total Solar Energ	y Rejected (TSER)	31%		
Shading C	oefficient	0.79		
Solar Heat Gain C	Solar Heat Gain Coefficient (SHGC)			

DI	CORATIVE / SPECIALTY			WHITE
	GLASS TYPE	GLASS THICKNESS		FROST
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
ANE		1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
		1/6 1/4	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		1/6 1/4	30 - 40 ft²	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	1
DUAL		30 - 40 ft		1
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		_,, .	30 - 40 ft²	1
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
TRIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		_,, .	30 - 40 ft²	1
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
LOWE			30 - 40 ft²	1
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		_,, _	30 - 40 ft²	1
	LAMINATED	1/8" - 1/4"	Any Size	1

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## WHITE OUT



- Highly decorative
- Creates privacy
- Greatly reduces glare
- Glossy white color and appearance

DECORATI	VE Whit	e Out
Visible Light	Transmitted	12%
Visible Light	External	78%
Reflected	Internal	84%
	Transmitted	19%
Solar Heat	Reflected	61%
	Absorbed	20%
IR Reje	ection	29%
UV Rej	ection	~99%
Total Solar Energy	y Rejected (TSER)	77%
Shading C	oefficient	0.26
Solar Heat Gain C	oefficient (SHGC)	0.23

DEC	CORATIVE / SPECIALTY  GLASS TYPE	GLASS		WHITE OUT
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	X
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	40 - 100 ft <sup>2</sup> Up to 100 ft <sup>2</sup>	X
SING	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	X
			40 - 100 ft <sup>2</sup> Up to 30 ft <sup>2</sup>	X
	CLEAR ANNEALED	1/8" - 1/4"	30 - 40 ft <sup>2</sup>	X
<b>DUAL PANE</b>	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
DUA			30 - 40 ft <sup>2</sup>	X
	2ND SURFACE TINTED	1/8" - 1/4"	30 - 40 ft²	X
¥	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
TRIPLE PANE	CLEAR / CLEAR / LOW 3 TINTED / CLEAR / CLEAR	1/8" - 1/4" 1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
TRI	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
			30 - 40 ft <sup>2</sup> Up to 30 ft <sup>2</sup>	X
LOW E	E2 OR PLUS	1/8" - 1/4"	30 - 40 ft²	X
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	LAMINATED	1/8" - 1/4"	30 - 40 ft² Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## **BLACK OUT**



- Creates total privacy
- Eliminates glare
- Solid black matte color and appearance

DECORAT	IVE Blaci	k Out
Visible Ligh	t Transmitted	0%
Visible Light	External	6%
Reflected	Internal	6%
	Transmitted	0%
Solar Heat	Reflected	5%
	Absorbed	95%
IR Rej	ection	0%
UV Re	jection	~99%
Total Solar Energ	y Rejected (TSER)	68%
Shading (	Coefficient	0.35
Solar Heat Gain C	Coefficient (SHGC)	0.29

DEC	CORATIVE / SPECIALTY			
	GLASS TYPE	GLASS THICKNESS		BLACK OUT
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	X
ANE	CLEAN ANNEALED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	X
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
NS	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	X
	TINT ANNEALED	1/8 - 1/4	40 - 100 ft²	X
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft²	X
	CLEAR ANNICALED	1/6 - 1/4	30 - 40 ft²	X
PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	X
<b>DUAL PANE</b>	131 35KI ACE IIIVIEB	1/0 - 1/4	30 - 40 ft²	X
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
	END SORI ACE TINTED	1/6 - 1/4	30 - 40 ft²	X
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	X
RIPLE	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft²	X
Ī	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft²	X
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	X
	LOW E STANDARD	1/8 - 1/4	30 - 40 ft²	X
	E2 OR PLUS	1/0" 1/4"	Up to 30 ft <sup>2</sup>	X
LOW E	EE UR FLUS	1/8" - 1/4"	30 - 40 ft²	X
Ī	ES OF BLUE BLUE	4 (01) 4 (41)	Up to 30 ft²	X
	E3 OF PLUS PLUS	1/8" - 1/4"	30 - 40 ft²	X
	LAMINATED	1/8" - 1/4"	Any Size	X

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## 4mil

### **SAFETYFLEX**

- Helps protect against broken glass hazards
- Virtually clear
- UV protection
- Suitable for most glass types

SAFETY/S	ECURITY	4mil
Visible Ligh	t Transmitted	89%
Visible Light	External	8%
Reflected	Internal	8%
	Transmitted	84%
Solar Heat	Reflected	7%
	Absorbed	9%
UV Re	jection	~99%
Total Solar Energ	y Rejected (TSER)	20%
Shading (	Coefficient	0.92%

SA	FETYFLEX   SAFETY & SEC	CURITY SERIES		
	GLASS TYPE	GLASS THICKNESS		4MIL
	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
ANE	CLLAR ANNICALLE	1/8 - 1/4	40 - 100 ft²	1
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
S	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
		1/0 1/1	40 - 100 ft <sup>2</sup>	1
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		2,0 2, 1	30 - 40 ft²	1
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft²	1
DUAL		2,0 2, 1	30 - 40 ft²	1
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		2,0 2, 1	30 - 40 ft²	1
ш	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
IRIPLI	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft²	1
		1/0 1/1	30 - 40 ft²	1
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
LOW E		2,0 2, 1	30 - 40 ft²	1
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	1
			30 - 40 ft <sup>2</sup>	1
	LAMINATED	1/8" - 1/4"	Any Size	1

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED



## 7mil

### **SAFETYFLEX**



- Helps protect against broken glass hazards
- Virtually clear
- **UV** protection
- Suitable for most glass types

SAFETY/S	ECURITY	7mil
Visible Light	: Transmitted	87%
Visible Light	External	8%
Reflected	Internal	8%
	Transmitted	82%
Solar Heat	Reflected	8%
	Absorbed	10%
UV Rej	ection	~99%
Total Solar Energ	y Rejected (TSER)	20%
Shading C	oefficient	0.91%

9	SAF	ETYFLEX   SAFETY & SEC	URITY SERIES		
		GLASS TYPE	GLASS THICKNESS		7MIL
		CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft²	1
	ANE	CLEAN ANNUALES	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
	SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft <sup>2</sup>	1
	<u>Z</u>	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft <sup>2</sup>	1
		THAT AUTHORIZED	1/0 - 1/4	40 - 100 ft <sup>2</sup>	1
		CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		SEE/ III / IIII / IEEE	1/0 - 1/4	30 - 40 ft²	1
	DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	DUAL	101 0011111125	1/0 - 1/4	30 - 40 ft²	1
		2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			1/0 - 1/4	30 - 40 ft²	1
		CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	R PL	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
		TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
1		LOW E STANDARD	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
			1/0 1/4	30 - 40 ft²	1
١		E2 OR PLUS	1/8" - 1/4"	Up to 30 ft <sup>2</sup>	1
	LOW E		1/0 1/4	30 - 40 ft <sup>2</sup>	1
		E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft²	1
			1,0 1,4	30 - 40 ft²	1
		LAMINATED	1/8" - 1/4"	Any Size	1

**✓** COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE



## FILM TO GLASS CHART - SINGLE PANE

			SINGLE PANE		
	CLEAR A	NNEALED	TEMPERED / HEAT STRENGTHENED	TINTED A	NNEALED
	Thickness	1/8" - 1/4"	Thickness 1/8" - 3/8"	Thickness	1/8" - 1/4"
	Up to 40 ft <sup>2</sup>	40 - 100 ft²	Up to 100 ft <sup>2</sup>	Up to 40 ft <sup>2</sup>	40 - 100 ft <sup>2</sup>
IUAL REFLECTIVE					
Dualflex 5%	✓	✓	✓	<b>✓</b>	<b>A</b>
Dualflex 15%	✓	✓	✓	1	1
Dualflex 25%	✓	✓	✓	1	✓
Dualflex 35%	✓	✓	✓	1	✓
ILVER REFLECTIVE					
Chromoflex 15%	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>A</b>	<u> </u>
Chromoflex 20%	✓	✓	✓	<b>A</b>	<b>A</b>
Chromoflex 35%	✓	✓	✓	✓	✓
PUTTERED				,	
Sputterflex Neutral 20%	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	/
Sputterflex Neutral 35%	<b>√</b>	<b>✓</b>	✓	<b>√</b>	<b>✓</b>
Sputterflex Bronze 20%	<b>√</b>		<b>✓</b>	<b>✓</b>	<b>✓</b>
Sputterflex Bronze 35%	✓	✓	✓	✓	✓
ECORATIVE White Frost	<b>-</b> ✓	<b>√</b>	J	/	
White Out	X	X	•	X	•
			<b>√</b>		X
Black Out	X	X	<b>√</b>	X	X
4 mil	<b>√</b>	<b>✓</b>	✓	<b>✓</b>	1
7 mil	<b>✓</b>	1	<b>✓</b>	/	1
NTI-GRAFFITI					
4 mil	✓	✓	✓	✓	✓
7 mil	1	1	/	1	1

✓ COMPATIBLE A CAUTION: PRE-APPROVAL REQUIRED X INCOMPATIBLE: DO NOT USE



## FILM TO GLASS CHART - DUAL PANE

	DUAL PANE					
	CLEAR AN	NNEALED	1ST SURF	ACE TINTED	2ND SURF	ACE TINTED
	Thickness	1/8" - 1/4"	Thickness	1/8" - 1/4"	Thickness	1/8" - 1/4"
	Up to 30 ft <sup>2</sup>	30 - 40 ft²	Up to 30 ft <sup>2</sup>	30 - 40 ft²	Up to 30 ft <sup>2</sup>	30 - 40 ft²
DUAL REFLECTIVE						
Dualflex 5%	<b>✓</b>	<b>√</b>	<b>A</b>	<b>A</b>	<b>A</b>	<u> </u>
Dualflex 15%	1	✓	<b>A</b>	<b>A</b>	X	X
Dualflex 25%	✓	✓	<b>A</b>	<b>A</b>	X	X
Dualflex 35%	1	1	<b>A</b>	<b>A</b>	X	X
SILVER REFLECTIVE						
Chromoflex 15%	<b>√</b>	<b>√</b>	<u> </u>	<b>A</b>	<u> </u>	X
Chromoflex 20%	<b>✓</b>	1	<b>A</b>	<b>A</b>	<b>A</b>	X
Chromoflex 35%	✓	✓	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
SPUTTERED Spectrum 2004		•				V
Sputterflex Neutral 20%	/	•	<b>A</b>			X
Sputterflex Neutral 35%	<b>✓</b>	<b>A</b>	<b>√</b>	<b>A</b>	<b>A</b>	<b>A</b>
Sputterflex Bronze 20%	<b>√</b>	<b>A</b>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Sputterflex Bronze 35%	1	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓
JECORATIVE White Frost	<b>✓</b>	<b>√</b>	<b>-</b>		/	/
White Out	X	X	X	X	X	X
Black Out	X	X	X	X	X	Х
BAFETY	X	X	X	X	X	X
4 mil	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	1
7 mil	1	1	1	<b>✓</b>	1	1
NTI-GRAFFITI						
4 mil	✓	✓	1	✓	1	✓
7 mil	1	1	1	1	1	1

✓ COMPATIBLE ▲ CAUTION: PRE-APPROVAL REQUIRED X INCOMPATIBLE: DO NOT USI



## FILM TO GLASS CHART - TRIPLE PANE

	TRIPLE PANE							
	CLEAR / CLEAR / CLEAR	CLEAR / CLEAR / LOW 3	TINTED / CLEAR / CLEAR	TINTED / CLEAR / LOW E				
	Thickness 1/8" - 1/4"							
	Up to 30 ft <sup>2</sup>							
JAL REFLECTIVE								
Dualflex 5%	X	X	X	X				
Dualflex 15%	X	X	X	X				
Dualflex 25%	X	X	X	X				
Dualflex 35%	X	X	X	X				
VER REFLECTIVE	V							
Chromoflex 15%	X	X	X	X				
Chromoflex 20%	X	X	X	X				
Chromoflex 35%	X	X	X	X				
Sputterflex Neutral 20%	X	X	X	X				
•								
Sputterflex Neutral 35%	X	X	X	X				
Sputterflex Bronze 20%	X	X	X	X				
Sputterflex Bronze 35%	Х	X	X	Х				
CORATIVE White Frost	<b>-</b>	<b>√</b>	<b>-</b>	/				
White Out	X	X	X	X				
Black Out	X	X	X	X				
AFETY	X	<u> </u>	<u> </u>					
4 mil	1	✓	✓	1				
7 mil	/	/	/	/				
NTI-GRAFFITI								
4 mil	✓	✓	✓	✓				
7 mil	/	/	/	1				

<sup>✓</sup> COMPATIBLE ▲ CAUTION: PRE-APPROVAL REQUIRED X INCOMPATIBLE: DO NOT USE



## FILM TO GLASS CHART - LOW E

	LOW E							
	LOW E ST	ANDARD	E2 OR	PLUS	E3 OF PL	US PLUS	LAMINATED	
	Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"		Clear or Tinted	
	Up to 30 ft <sup>2</sup>	30 - 40 ft²	Up to 30 ft <sup>2</sup>	30 - 40 ft <sup>2</sup>	Up to 30 ft <sup>2</sup>	30 - 40 ft²	Any Size	
AL REFLECTIVE								
Dualflex 5%	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<u> </u>	Х	
Dualflex 15%	X	X	Х	X	X	Х	X	
Dualflex 25%	X	Х	X	X	X	X	X	
Dualflex 35%	X	X	Х	X	X	X	X	
VER REFLECTIVE								
Chromoflex 15%	<u> </u>	<u> </u>	<u> </u>	X	<b>A</b>	X	X	
Chromoflex 20%	<b>A</b>	<b>A</b>	<b>A</b>	X	<b>A</b>	X	X	
Chromoflex 35%	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	Х	
Sputterflex Neutral 20%	<u> </u>	Х	<u> </u>	X	X	X	X	
Sputterflex Neutral 35%	<u> </u>	^		^	^		X	
•			<u> </u>			<b>A</b>		
Sputterflex Bronze 20%	<b>A</b>	<u> </u>		<b>A</b>	<u> </u>	<u> </u>	X	
Sputterflex Bronze 35%  DORATIVE	✓	<b>✓</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	Х	
White Frost	1	1	/	/	1	1		
White Out	X	X	X	X	X	X	X	
Black Out	X	Х	X	X	X	X	X	
FETY	X	X	X		X	X	X	
4 mil	1	1	1	✓	1	1	✓	
7 mil	1	1	/	1	1	1	1	
TI-GRAFFITI								
4 mil	1	1	1	✓	✓	1	✓	
7 mil	1	1	1	1	1	/	✓	

<sup>✓</sup> COMPATIBLE ▲ CAUTION: PRE-APPROVAL REQUIRED X INCOMPATIBLE: DO NOT USE



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