



FLEXfilm[®]
AUTOMOTIVE | COMMERCIAL | RESIDENTIAL

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.





15%

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

CHROMOFLEX | SILVER REFLECTIVE SERIES

		GLASS TYPE	GLASS THICKNESS	15%
SINGLE PANE	SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
		TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
		TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ▲ 40 - 100 ft ² ▲
DUAL PANE	DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
		1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
		2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ✗
TRIPLE PANE	TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
		CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
		TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
		TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
LOW E	LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
		E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ✗
		E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ✗
		LAMINATED	1/8" - 1/4"	Any Size ✗

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE

SILVER REFLECTIVE		15%
Visible Light Transmitted		16.2%
Visible Light Reflected	External	55.0%
	Internal	59.3%
Solar Heat	Transmitted	12.7%
	Reflected	46.8%
IR Rejected	Absorbed	40.5%
	900-1000nm	87.5%
	780-2500nm	93.2%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		74.4%
Shading Coefficient		0.29
Solar Heat Gain Coefficient [SHGC]		0.26
Glare Reduction		82

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.



20%

CHROMOFLEX

- ◆ Highly reflective mirror-like outer layer
- ◆ Highly reflective mirror-like inner layer
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- ◆ UV protection
- ◆ High IR rejection
- ◆ High glare reduction
- ◆ Pressure sensitive adhesive
- ◆ Suitable for most glass types

CHROMOFLEX | SILVER REFLECTIVE SERIES

	GLASS TYPE		GLASS THICKNESS	20%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ²	✓
			40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ²	✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ²	▲
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ²	✓
			30 - 40 ft ²	✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ²	▲
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ²	▲
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	X
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ²	X
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ²	X
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ²	▲
			30 - 40 ft ²	▲
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ²	▲
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ²	▲
LAMINATED	1/8" - 1/4"	Any Size	X	

SILVER REFLECTIVE 20%

Visible Light Transmitted		18.2%
Visible Light Reflected	External	55.0%
	Internal	59.3%
Solar Heat	Transmitted	12.7%
	Reflected	46.8%
IR Rejected	Absorbed	40.5%
	900-1000nm	87.5%
	780-2500nm	93.2%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		74.4%
Shading Coefficient		0.29
Solar Heat Gain Coefficient [SHGC]		0.26
Glare Reduction		82

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE



35%

CHROMOFLEX

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- ◆ High IR rejection
- ◆ High glare reduction
- ◆ Pressure sensitive adhesive
- ◆ Suitable for most glass types

CHROMOFLEX | SILVER REFLECTIVE SERIES

	GLASS TYPE	GLASS THICKNESS	35%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² X
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
	LAMINATED	1/8" - 1/4"	Any Size X

SILVER REFLECTIVE 35%

Visible Light Transmitted		36.7%
Visible Light Reflected	External	38.5%
	Internal	42.3%
Solar Heat	Transmitted	23.2%
	Reflected	34.1%
IR Rejected	Absorbed	42.7%
	900-1000nm	78.7%
	780-2500nm	86.1%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		62.9%
Shading Coefficient		0.42
Solar Heat Gain Coefficient [SHGC]		0.37
Glare Reduction		67

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

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5%

DUALFLEX

- 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

DUALFLEX | DUAL REFLECTIVE SERIES

	GLASS TYPE	GLASS THICKNESS	5%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
DUAL PANE	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	▲
	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
		30 - 40 ft ²	✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲	
	30 - 40 ft ²	▲	
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
LAMINATED	1/8" - 1/4"	Any Size ✗	

DUAL REFLECTIVE 5%

Visible Light Transmitted		8.2%
Visible Light Reflected	External	55.7%
	Internal	18.1%
Solar Heat	Transmitted	7.5%
	Reflected	47.8%
IR Rejected	Absorbed	44.7%
	900-1000nm	91.4%
	780-2500nm	94.8%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		78%
Shading Coefficient		0.25
Solar Heat Gain Coefficient [SHGC]		0.22
Glare Reduction		90.9

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

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15%

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

DUALFLEX | DUAL REFLECTIVE SERIES

		GLASS TYPE	GLASS THICKNESS	15%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ²	✓
			40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ²	✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² 40 - 100 ft ²	✓ ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ²	✓
			30 - 40 ft ²	✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² 30 - 40 ft ²	▲ ▲
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² 30 - 40 ft ²	✗ ✗
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	✗
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ²	✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ²	✗
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ²	✗
			30 - 40 ft ²	✗
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² 30 - 40 ft ²	✗ ✗
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² 30 - 40 ft ²	✗ ✗
	LAMINATED	1/8" - 1/4"	Any Size	✗

DUAL REFLECTIVE 15%

Visible Light Transmitted		14.2%
Visible Light Reflected	External	32.5%
	Internal	10.6%
Solar Heat	Transmitted	14.9%
	Reflected	30.5%
IR Rejected	Absorbed	54.6%
	900-1000nm	82.9%
	780-2500nm	86.5%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		67%
Shading Coefficient		0.37
Solar Heat Gain Coefficient [SHGC]		0.33
Glare Reduction		84.2

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE



25%

DUALFLEX

- Very popular
- Moderately 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		25%
Visible Light Transmitted		25.7%
Visible Light Reflected	External	32.4%
	Internal	20.8%
Solar Heat	Transmitted	22.4%
	Reflected	31.0%
IR Rejected	Absorbed	46.7%
	900-1000nm	77.7%
	780-2500nm	84.5%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		62%
Shading Coefficient		0.43
Solar Heat Gain Coefficient [SHGC]		0.38
Glare Reduction		71.5

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

DUALFLEX | DUAL REFLECTIVE SERIES

	GLASS TYPE	GLASS THICKNESS	25%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
		30 - 40 ft ²	✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✗ 30 - 40 ft ² ✗
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ✗
		30 - 40 ft ²	✗
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ✗ 30 - 40 ft ² ✗
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✗ 30 - 40 ft ² ✗
	LAMINATED	1/8" - 1/4"	Any Size ✗

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE



35%

DUALFLEX

- Very popular
- Minimally 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

DUALFLEX DUAL REFLECTIVE SERIES			
	GLASS TYPE	GLASS THICKNESS	35%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
		1ST SURFACE TINTED	1/8" - 1/4"
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✗ 30 - 40 ft ² ✗
		CLEAR / CLEAR / CLEAR	1/8" - 1/4"
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
	LOW E	LOW E STANDARD	1/8" - 1/4"
E2 OR PLUS			1/8" - 1/4"
E3 OF PLUS PLUS		1/8" - 1/4"	Up to 30 ft ² ✗ 30 - 40 ft ² ✗
		LAMINATED	1/8" - 1/4"

DUAL REFLECTIVE		35%
Visible Light Transmitted		35.2%
Visible Light Reflected	External	24.8%
	Internal	19.0%
Solar Heat	Transmitted	30.4%
	Reflected	24.3%
IR Rejected	Absorbed	45.4%
	900-1000nm	70.8%
	780-2500nm	78.2%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		55%
Shading Coefficient		0.52
Solar Heat Gain Coefficient [SHGC]		0.45
Glare Reduction		61

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE
 ▲ CAUTION: PRE-APPROVAL REQUIRED
 ✗ INCOMPATIBLE: DO NOT USE



20%

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 Reflected	External	28%
	Internal	33%
Solar Heat	Transmitted	14%
	Reflected	33%
	Absorbed	53%
IR Rejected		76%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		71%
Shading Coefficient		0.33
Solar Heat Gain Coefficient (SHGC)		0.29
Glare Reduction		75

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

SPUTTERFLEX SPUTTERED SERIES			BRONZE
	GLASS TYPE	GLASS THICKNESS	20%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
40 - 100 ft ²		✓	
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
		30 - 40 ft ²	▲
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲	
	30 - 40 ft ²	▲	
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² X
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ▲
		30 - 40 ft ²	▲
E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ▲	
	30 - 40 ft ²	▲	
LAMINATED	1/8" - 1/4"	Any Size X	

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE



35%

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

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

SPUTTERFLEX SPUTTERED SERIES			BRONZE
	GLASS TYPE	GLASS THICKNESS	35%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
		1ST SURFACE TINTED	1/8" - 1/4"
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
		CLEAR / CLEAR / CLEAR	1/8" - 1/4"
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
	LOW E	LOW E STANDARD	1/8" - 1/4"
E2 OR PLUS			1/8" - 1/4"
E3 OF PLUS PLUS		1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
		LAMINATED	1/8" - 1/4"

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE



20% 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

SPUTTERED 20%

Visible Light Transmitted		19%
Visible Light Reflected	External	29%
	Internal	31%
Solar Heat	Transmitted	17%
	Reflected	23%
	Absorbed	60%
IR Rejected		64%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		64%
Shading Coefficient		0.41
Solar Heat Gain Coefficient (SHGC)		0.36
Glare Reduction		78

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

SPUTTERFLEX | SPUTTERED SERIES

NEUTRAL

	GLASS TYPE	GLASS THICKNESS	20%	
			Area	Compatibility
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ²	✓
			40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ²	✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ²	✓
40 - 100 ft ²			✓	
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ²	✓
			30 - 40 ft ²	▲
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ²	▲
			30 - 40 ft ²	▲
2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ²	▲	
		30 - 40 ft ²	✗	
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	✗
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ²	✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ²	✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ²	✗
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ²	▲
			30 - 40 ft ²	✗
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ²	▲
			30 - 40 ft ²	✗
E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ²	✗	
		30 - 40 ft ²	✗	
LAMINATED	1/8" - 1/4"	Any Size	✗	

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE



35%

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 Reflected	External	17%
	Internal	19%
Solar Heat	Transmitted	30%
	Reflected	14%
	Absorbed	56%
IR Rejected		53%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		53%
Shading Coefficient		0.55
Solar Heat Gain Coefficient (SHGC)		0.47
Glare Reduction		61

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

SPUTTERFLEX SPUTTERED SERIES			NEUTRAL
	GLASS TYPE	GLASS THICKNESS	35%
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
		40 - 100 ft ²	✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ▲
		1ST SURFACE TINTED	1/8" - 1/4"
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✗
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✗
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
		E2 OR PLUS	1/8" - 1/4"
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ▲ 30 - 40 ft ² ▲
		LAMINATED	1/8" - 1/4"

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE

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

SAFETYFLEX | SAFETY & SECURITY SERIES

	GLASS TYPE	GLASS THICKNESS	4MIL
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
			40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✓
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
LOW E	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	LAMINATED	1/8" - 1/4"	Any Size ✓

ANTI-GRAFFITI 4mil

Visible Light Transmitted		84%
Visible Light Reflected	External	8.6%
	Internal	8.6%
Transmitted		82%
Solar Heat	Reflected	7%
	Absorbed	11%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		17%
Shading Coefficient		0.97

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE

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

SAFETYFLEX | SAFETY & SECURITY SERIES

	GLASS TYPE	GLASS THICKNESS	7MIL
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
			40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
40 - 100 ft ² ✓			
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓	
		30 - 40 ft ² ✓	
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✓
	LOW E	LOW E STANDARD	1/8" - 1/4"
30 - 40 ft ² ✓			
E2 OR PLUS		1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✓	
		30 - 40 ft ² ✓	
LAMINATED	1/8" - 1/4"	Any Size ✓	

ANTI-GRAFFITI 7mil

Visible Light Transmitted		84%
Visible Light Reflected	External	8.6%
	Internal	8.6%
Transmitted		80%
Solar Heat	Reflected	8%
	Absorbed	12%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		18%
Shading Coefficient		0.94

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE

WHITE FROST



- ◆ Highly decorative
- ◆ Creates privacy
- ◆ Translucent “frosted” glass look
- ◆ Suitable for most glass types

DECORATIVE White Frost

Visible Light Transmitted		68%
Visible Light Reflected	External	18%
	Internal	16%
Solar Heat	Transmitted	63%
	Reflected	18%
	Absorbed	19%
IR Rejection		53%
UV Rejection		~99%
Total Solar Energy Rejected [TSER]		31%
Shading Coefficient		0.79
Solar Heat Gain Coefficient [SHGC]		0.69

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

DECORATIVE / SPECIALTY

	GLASS TYPE	GLASS THICKNESS	WHITE FROST
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓
			40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✓
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ✓
			30 - 40 ft ² ✓
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	LAMINATED	1/8" - 1/4"	Any Size ✓

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE

WHITE OUT



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

DECORATIVE White Out

Visible Light Transmitted		12%
Visible Light Reflected	External	78%
	Internal	84%
Solar Heat	Transmitted	19%
	Reflected	61%
	Absorbed	20%
IR Rejection		29%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		77%
Shading Coefficient		0.26
Solar Heat Gain Coefficient (SHGC)		0.23

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

DECORATIVE / SPECIALTY

	GLASS TYPE	GLASS THICKNESS	WHITE OUT
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² X 40 - 100 ft ² X
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² X 40 - 100 ft ² X
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
LOW E	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² X
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	LAMINATED	1/8" - 1/4"	Any Size X

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE



BLACK OUT

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

DECORATIVE Black Out

Visible Light Transmitted		0%
Visible Light Reflected	External	6%
	Internal	6%
Solar Heat	Transmitted	0%
	Reflected	5%
	Absorbed	95%
IR Rejection		0%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		68%
Shading Coefficient		0.35
Solar Heat Gain Coefficient (SHGC)		0.29

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

DECORATIVE / SPECIALTY

	GLASS TYPE	GLASS THICKNESS	BLACK OUT
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² X 40 - 100 ft ² X
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² X 40 - 100 ft ² X
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
TRIPLE PANE	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² X
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² X
LOW E	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² X
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² X 30 - 40 ft ² X
	LAMINATED	1/8" - 1/4"	Any Size X

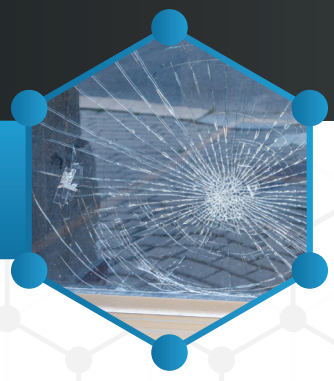
✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE

4mil

SAFETYFLEX



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

SAFETYFLEX | SAFETY & SECURITY SERIES

SAFETY/SECURITY		4mil
Visible Light Transmitted		89%
Visible Light Reflected	External	8%
	Internal	8%
Solar Heat	Transmitted	84%
	Reflected	7%
	Absorbed	9%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		20%
Shading Coefficient		0.92%

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

	GLASS TYPE	GLASS THICKNESS	4MIL
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✓
LOW E	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	LAMINATED	1/8" - 1/4"	Any Size ✓

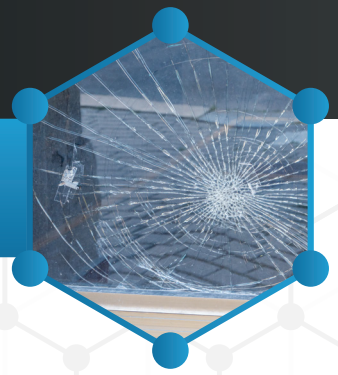
✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

✗ INCOMPATIBLE: DO NOT USE

7mil

SAFETYFLEX



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

SAFETY/SECURITY 7mil

Visible Light Transmitted		87%
Visible Light Reflected	External	8%
	Internal	8%
Solar Heat	Transmitted	82%
	Reflected	8%
	Absorbed	10%
UV Rejection		~99%
Total Solar Energy Rejected (TSER)		20%
Shading Coefficient		0.91%

All tested materials were applied on a 1/4 inch clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

SAFETYFLEX | SAFETY & SECURITY SERIES

	GLASS TYPE	GLASS THICKNESS	7MIL
SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft ² ✓
	TINT ANNEALED	1/8" - 1/4"	Up to 40 ft ² ✓ 40 - 100 ft ² ✓
DUAL PANE	CLEAR ANNEALED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	1ST SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	2ND SURFACE TINTED	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	CLEAR / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
TRIPLE PANE	CLEAR / CLEAR / LOW 3	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / CLEAR	1/8" - 1/4"	Up to 30 ft ² ✓
	TINTED / CLEAR / LOW E	1/8" - 1/4"	Up to 30 ft ² ✓
	LOW E STANDARD	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
LOW E	E2 OR PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	E3 OF PLUS PLUS	1/8" - 1/4"	Up to 30 ft ² ✓ 30 - 40 ft ² ✓
	LAMINATED	1/8" - 1/4"	Any Size ✓

✓ COMPATIBLE

▲ CAUTION: PRE-APPROVAL REQUIRED

X INCOMPATIBLE: DO NOT USE

FILM TO GLASS CHART - SINGLE PANE

	SINGLE PANE					
	CLEAR ANNEALED		TEMPERED / HEAT STRENGTHENED		TINTED ANNEALED	
	Thickness 1/8" - 1/4"		Thickness 1/8" - 3/8"		Thickness 1/8" - 1/4"	
	Up to 40 ft ²	40 - 100 ft ²	Up to 100 ft ²	Up to 40 ft ²	40 - 100 ft ²	
DUAL REFLECTIVE						
Dualflex 5%	✓	✓	✓	✓	✓	▲
Dualflex 15%	✓	✓	✓	✓	✓	✓
Dualflex 25%	✓	✓	✓	✓	✓	✓
Dualflex 35%	✓	✓	✓	✓	✓	✓
SILVER REFLECTIVE						
Chromoflex 15%	✓	✓	✓	▲	▲	▲
Chromoflex 20%	✓	✓	✓	▲	▲	▲
Chromoflex 35%	✓	✓	✓	✓	✓	✓
SPUTTERED						
Sputterflex Neutral 20%	✓	✓	✓	✓	✓	✓
Sputterflex Neutral 35%	✓	✓	✓	✓	✓	✓
Sputterflex Bronze 20%	✓	✓	✓	✓	✓	✓
Sputterflex Bronze 35%	✓	✓	✓	✓	✓	✓
DECORATIVE						
White Frost	✓	✓	✓	✓	✓	✓
White Out	✗	✗	✓	✗	✗	✗
Black Out	✗	✗	✓	✗	✗	✗
SAFETY						
4 mil	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓
ANTI-GRAFFITI						
4 mil	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓

✓ COMPATIBLE ▲ CAUTION: PRE-APPROVAL REQUIRED ✗ INCOMPATIBLE: DO NOT USE

FILM TO GLASS CHART - DUAL PANE

	DUAL PANE					
	CLEAR ANNEALED		1ST SURFACE TINTED		2ND SURFACE TINTED	
	Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"	
	Up to 30 ft²	30 - 40 ft²	Up to 30 ft²	30 - 40 ft²	Up to 30 ft²	30 - 40 ft²
DUAL REFLECTIVE						
Dualflex 5%	✓	✓	▲	▲	▲	▲
Dualflex 15%	✓	✓	▲	▲	✗	✗
Dualflex 25%	✓	✓	▲	▲	✗	✗
Dualflex 35%	✓	✓	▲	▲	✗	✗
SILVER REFLECTIVE						
Chromoflex 15%	✓	✓	▲	▲	▲	✗
Chromoflex 20%	✓	✓	▲	▲	▲	✗
Chromoflex 35%	✓	✓	▲	▲	▲	▲
SPUTTERED						
Sputterflex Neutral 20%	✓	▲	▲	▲	▲	✗
Sputterflex Neutral 35%	✓	▲	✓	▲	▲	▲
Sputterflex Bronze 20%	✓	▲	▲	▲	▲	▲
Sputterflex Bronze 35%	✓	✓	✓	✓	✓	✓
DECORATIVE						
White Frost	✓	✓	✓	✓	✓	✓
White Out	✗	✗	✗	✗	✗	✗
Black Out	✗	✗	✗	✗	✗	✗
SAFETY						
4 mil	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓
ANTI-GRAFFITI						
4 mil	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓

✓ COMPATIBLE ▲ CAUTION: PRE-APPROVAL REQUIRED ✗ INCOMPATIBLE: DO NOT USE

FILM TO GLASS CHART - TRIPLE PANE

	TRIPLE PANE			
	CLEAR / CLEAR / CLEAR	CLEAR / CLEAR / LOW E	TINTED / CLEAR / CLEAR	TINTED / CLEAR / LOW E
	Thickness 1/8" - 1/4" Up to 30 ft²	Thickness 1/8" - 1/4" Up to 30 ft²	Thickness 1/8" - 1/4" Up to 30 ft²	Thickness 1/8" - 1/4" Up to 30 ft²
DUAL 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
SILVER REFLECTIVE				
Chromoflex 15%	X	X	X	X
Chromoflex 20%	X	X	X	X
Chromoflex 35%	X	X	X	X
SPUTTERED				
Sputterflex Neutral 20%	X	X	X	X
Sputterflex Neutral 35%	X	X	X	X
Sputterflex Bronze 20%	X	X	X	X
Sputterflex Bronze 35%	X	X	X	X
DECORATIVE				
White Frost	✓	✓	✓	✓
White Out	X	X	X	X
Black Out	X	X	X	X
SAFETY				
4 mil	✓	✓	✓	✓
7 mil	✓	✓	✓	✓
ANTI-GRAFFITI				
4 mil	✓	✓	✓	✓
7 mil	✓	✓	✓	✓

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

FILM TO GLASS CHART - LOW E

	LOW E						
	LOW E STANDARD		E2 OR PLUS		E3 OF PLUS PLUS		LAMINATED
	Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"		Thickness 1/8" - 1/4"		Clear or Tinted
	Up to 30 ft²	30 - 40 ft²	Up to 30 ft²	30 - 40 ft²	Up to 30 ft²	30 - 40 ft²	Any Size
DUAL REFLECTIVE							
Dualflex 5%	▲	▲	▲	▲	▲	▲	X
Dualflex 15%	X	X	X	X	X	X	X
Dualflex 25%	X	X	X	X	X	X	X
Dualflex 35%	X	X	X	X	X	X	X
SILVER REFLECTIVE							
Chromoflex 15%	▲	▲	▲	X	▲	X	X
Chromoflex 20%	▲	▲	▲	X	▲	X	X
Chromoflex 35%	▲	▲	▲	▲	▲	▲	X
SPUTTERED							
Sputterflex Neutral 20%	▲	X	▲	X	X	X	X
Sputterflex Neutral 35%	▲	▲	▲	▲	▲	▲	X
Sputterflex Bronze 20%	▲	▲	▲	▲	▲	▲	X
Sputterflex Bronze 35%	✓	✓	▲	▲	▲	▲	X
DECORATIVE							
White Frost	✓	✓	✓	✓	✓	✓	✓
White Out	X	X	X	X	X	X	X
Black Out	X	X	X	X	X	X	X
SAFETY							
4 mil	✓	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓	✓
ANTI-GRAFFITI							
4 mil	✓	✓	✓	✓	✓	✓	✓
7 mil	✓	✓	✓	✓	✓	✓	✓

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



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