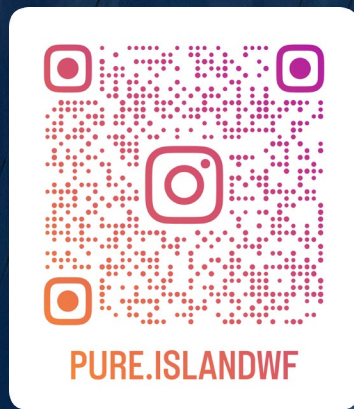


COMMERCIAL

RESIDENTIAL



# ARCHITECTURAL WINDOW FILM BOOK



[www.pureislandwf.com](http://www.pureislandwf.com)

At Pure Island Window Films, we transform your spaces with smart, functional solutions that embody our passion for innovation and environmental care. This catalog is not just a showcase of our window films but a guide to a more efficient, secure, and aesthetically pleasing future.

Each product is carefully crafted to solve everyday challenges: from reducing glare and energy costs to protecting your spaces from solar damage and enhancing privacy. With our films, we don't just enhance your windows—we contribute to a more sustainable and comfortable environment.

Join us on this journey and discover how we can help you optimize your spaces with solutions that blend functionality and design. Together, we create environments that reflect your needs and lifestyle.



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# CHROMO

# 35%

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

SILVER REFLECTIVE		35%
Visible light transmitted		35.6%
Visible light Reflected	External	35.8%
	Internal	38.5%
Solar Heat	Transmitted	27.9%
	Reflected	34.0%
	Absorbed	38.1%
IR Rejected	900-1000nm	74.6%
	780-2500nm	84.2%
UV Rejection		~99%
Total solar energy rejected		60.0%
Shading coefficient		0.46
Solar heat gain coefficient		0.40
Glare Reduction		60.6

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.



Incompatible: do not use



Caution: pre-approval required



Compatible

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# DUAL

# 5%

- Best Selling
- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry Adhesive
- Suitable for most glass types
- Neutral gray color and appearance

DUAL REFLECTIVE		5%
Visible light transmitted		7.7%
Visible light Reflected	External	56.3%
	Internal	15.2%
Solar Heat	Transmitted	7.2%
	Reflected	50.9%
	Absorbed	41.9%
IR Rejected	900-1000nm	91.6%
	780-2500nm	95.1%
UV Rejection		~99%
Total solar energy rejected		79%
Shading coefficient		0.24
Solar heat gain coefficient		0.21
Glare Reduction		91.5

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.

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

 Incompatible: do not use

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 Caution: pre-approval required

 Compatible

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# DUAL

# 15%

- Best Selling
- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry Adhesive
- Suitable for most glass types
- Neutral gray color and appearance

DUAL REFLECTIVE		15%
Visible light transmitted		17.3%
Visible light Reflected	External	37.6%
	Internal	14.9%
Solar Heat	Transmitted	15.9%
	Reflected	36.0%
	Absorbed	48.1%
IR Rejected	900-1000nm	82.9%
	780-2500nm	88.8%
UV Rejection		~99%
Total solar energy rejected (TSER)		68%
Shading coefficient		0.36
Solar heat gain coefficient (SHGC)		0.32
Glare Reduction		80.8

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.

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

✗ Incompatible: do not use

⚠ Caution: pre-approval required

🌿 Compatible

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# DUAL

# 25%

- Best Selling
- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry Adhesive
- Suitable for most glass types
- Neutral gray color and appearance

DUAL REFLECTIVE		25%
Visible light transmitted		26.1%
Visible light Reflected	External	34.6%
	Internal	21.8%
Solar Heat	Transmitted	22.0%
	Reflected	33.4%
	Absorbed	44.7%
IR Rejected	900-1000nm	78.2%
	780-2500nm	85.9%
UV Rejection		~99%
Total solar energy rejected (TSER)		63%
Shading coefficient		0.42
Solar heat gain coefficient (SHGC)		0.37
Glare Reduction		71.1

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.

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

**X Incompatible: do not use**

**(Bell icon) Caution: pre-approval required**

**(Tree icon) Compatible**

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# DUAL

# 35%

- Best Selling
- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- One-way daytime privacy
- Exceptional heat reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry Adhesive
- Suitable for most glass types
- Neutral gray color and appearance

DUAL REFLECTIVE		35%
Visible light transmitted		36.2%
Visible light Reflected	External	25.1%
	Internal	19.5%
Solar Heat	Transmitted	30.3%
	Reflected	24.7%
	Absorbed	45.0%
IR Rejected	900-1000nm	70.5%
	780-2500nm	78.8%
UV Rejection		~99%
Total solar energy rejected (TSER)		54.9%
Shading coefficient		0.52
Solar heat gain coefficient (SHGC)		0.45
Glare Reduction		59.9

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.

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

✗ Incompatible: do not use

⚠ Caution: pre-approval required

🌳 Compatible

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# SPUTTER BRONZE

BRONZE

# 20%

- Highly reflective mirror-like outer layer
- Highly reflective mirror-like inner layer
- Exceptional heat reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry Adhesive
- Warm, copper color and appearance

SPITTERED		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.

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

✗ Incompatible: do not use

(🔔) Caution: pre-approval required

🌳 Compatible

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# CHROMO

# 15%

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

SILVER REFLECTIVE		15%
Visible light transmitted		16.2%
Visible light Reflected	External	55.0%
		59.3%
Solar Heat	Transmitted	12.7%
	Reflected	46.8%
	Absorbed	40.5%
IR Rejected	900-1000n	87.5%
	780-2500n	93.2%
UV Rejection		~99%
Total solar energy rejected		74.4%
Shading coefficient		0.29
Solar heat gain coefficient		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.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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

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[www.pureislandwf.com](http://www.pureislandwf.com)



# CHROMO

# 20%

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

SILVER REFLECTIVE		20%
Visible light transmitted		19.0%
Visible light Reflected	External	55.1%
	Internal	58.1%
Solar Heat	Transmitted	14.7%
	Reflected	49.7%
	Absorbed	35.6%
IR Rejected	900-1000nm	86.3%
	780-2500nm	92.7%
UV Rejection		~99%
Total solar energy rejected		74.4%
Shading coefficient		0.30
Solar heat gain coefficient		0.26
Glare Reduction		79

✗ Incompatible: do not use

⚠ Caution: pre-approval required

🌿 Compatible

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

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# SPUTTER BRONZE

BRONZE

# 35%

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

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.

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

✗ Incompatible: do not use

⚠ Caution: pre-approval required

🌳 Compatible

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# SPUTTERED NEUTRAL

NEUTRAL

# 20%

- Highly reflective metallized outer layer
- Highly reflective metallized inner layer
- Exceptional solar energy reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry adhesive
- Soft, neutral color and appearance

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.



Incompatible: do not use



Caution: pre-approval required



Compatible

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# SPUTTERED NEUTRAL

NEUTRAL

# 35%

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

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.

✗ Incompatible: do not use

🔔 Caution: pre-approval required

🌳 Compatible

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# PANASHIELD

# 40%

- Low reflectivity
- High visibility
- Optimal heat insulation
- UV protection
- High IR rejection
- Minimal glare reduction
- Stealthy black appearance
- Carbamate HD adhesive

PANASHIELD		40%
Visible light transmitted		35.35%
Visible light Reflected	External	9.64
	Internal	8.10
Solar Heat	Transmitted	22.87
	Reflected	13.68
	Absorbed	63.45
IR Rejected	900-1000nm	88.11
	780-2500nm	89.08
UV Rejection		~99%
Total solar energy rejected (TSER)		60.57
Shading coefficient		0.51
Solar heat gain coefficient (SHGC)		0.47
Glare Reduction		-/-

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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# PANASHIELD

# 50%

- Low reflectivity
- High visibility
- Optimal heat insulation
- UV protection
- High IR rejection
- Minimal glare reduction
- Stealthy black appearance
- Carbamate HD adhesive

PANASHIELD		50%
Visible light transmitted		47.30%
Visible light Reflected	External	9.35
	Internal	8.81
Solar Heat	Transmitted	28.17
	Reflected	13.15
	Absorbed	58.68
IR Rejected	900-1000nm	88.19
	780-2500nm	89.18
UV Rejection		~99%
Total solar energy rejected (TSER)		56.52
Shading coefficient		0.55
Solar heat gain coefficient (SHGC)		0.4778
Glare Reduction		-/-

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.

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

✗ Incompatible: do not use

⚠ Caution: pre-approval required

🌳 Compatible

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# PANASHIELD

# 70%

- Low reflectivity
- High visibility
- Optimal heat insulation
- UV protection
- High IR rejection
- Minimal glare reduction
- Stealthy black appearance
- Carbamate HD adhesive
- Suitable for most glass types

PANASHIELD		70%
Visible light transmitted		69.42%
Visible light Reflected	External	10.64
	Internal	9.11
Solar Heat	Transmitted	41.88
	Reflected	14.60
	Absorbed	43.52
IR Rejected	900-1000nm	88.18
	780-2500nm	89.97
UV Rejection		~99%
Total solar energy rejected (TSER)		46.76
Shading coefficient		0.65
Solar heat gain coefficient (SHGC)		0.5588
Glare Reduction		-/-

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.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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

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# NANOSHIELD

# 50%

- Low reflectivity
- High visibility
- Exceptional heat insulation
- UV protection
- Maximum IR rejection
- Minimal glare reduction
- Stealthy black appearance
- Carbamate HD adhesive
- Suitable for most glass types

NANOSHIELD		50%
Visible light transmitted		49%
Visible light Reflected	External	9.8%
	Internal	8.1%
Solar Heat	Transmitted	24.6%
	Reflected	8.5%
	Absorbed	67%
IR Rejected	900-1000nm	97%
	780-2500nm	97.1%
UV Rejection		~99%
Total solar energy rejected (TSER)		58%
Shading coefficient		0.54
Solar heat gain coefficient (SHGC)		0.42
Glare Reduction		-/-

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.

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

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- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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# NANOSHIELD

# 70%

- Low reflectivity
- High visibility
- Exceptional heat insulation
- UV protection
- Maximum IR rejection
- Minimal glare reduction
- Stealthy black appearance
- Carbamate HD adhesive
- Suitable for most glass types

NANOSHIELD		70%
Visible light transmitted		69%
Visible light Reflected	External	9.5%
	Internal	10.9%
Solar Heat	Transmitted	33.2%
	Reflected	6.8%
	Absorbed	60%
IR Rejected	900-1000nm	93%
	780-2500nm	94%
UV Rejection		~99%
Total solar energy rejected (TSER)		52%
Shading coefficient		0.62
Solar heat gain coefficient (SHGC)		0.48
Glare Reduction		-/-

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.

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

 Incompatible: do not use

 Caution: pre-approval required

 Compatible

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# ANTI-GRAFFITI

# 4 MIL

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

ANTI-GRAFFITI		4 MIL
Visible light transmitted		84%
Visible light Reflected	External	8.6%
	Internal	8.6%
Solar Heat	Transmitted	82%
	Reflected	7%
	Absorbed	11%
IR Rejected		-/-
		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		17%
Shading coefficient		0.97
Solar heat gain coefficient (SHGC)		-/-
Glare Reduction		-/-

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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# ANTI-GRAFFITI

# 7 MIL

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

ANTI-GRAFFITI		7 MIL
Visible light transmitted		84%
Visible light Reflected	External	8.6%
	Internal	8.6%
Solar Heat	Transmitted	80%
	Reflected	8%
	Absorbed	12%
IR Rejected		-/-
		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		18%
Shading coefficient		0.94
Solar heat gain coefficient (SHGC)		-/-
Glare Reduction		-/-

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.



Incompatible: do not use



Caution: pre-approval required



Compatible

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# WHITE FROST

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

DECORATIVE		WHITE FROST
Visible light transmitted		68%
Visible light Reflected	External	18%
	Internal	16%
Solar Heat	Transmitted	63%
	Reflected	18%
	Absorbed	19%
IR Rejected		53%
		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		31%
Shading coefficient		0.79
Solar heat gain coefficient (SHGC)		0.69
Glare Reduction		-/-

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.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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

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# WHITE OUT

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

DECORATIVE		WHITE OUT
Visible light transmitted		3.1%
Visible light Reflected	External	72%
	Internal	71%
Solar Heat	Transmitted	1.3%
	Reflected	73.1%
	Absorbed	25.6%
IR Rejected		0%
		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		27%
Shading coefficient		0.25
Solar heat gain coefficient (SHGC)		0.21
Glare Reduction		-/-

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

✗ Incompatible: do not use

☎ Caution: pre-approval required

☎ Compatible

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.



# BLACK OUT

- Creates privacy
- Eliminates glare
- Solid black matte color and appearance
- Pressure sensitive adhesive

DECORATIVE		BLACK OUT
Visible light transmitted		0%
Visible light Reflected	External	6%
	Internal	6%
Solar Heat	Transmitted	0%
	Reflected	5%
	Absorbed	95%
IR Rejected		0%
		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		68%
Shading coefficient		0.35
Solar heat gain coefficient (SHGC)		0.29
Glare Reduction		-/-

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.

- X Incompatible: do not use
- (( )) Caution: pre-approval required
- T Compatible



# SAFETY

# 4 MIL

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

SECURITY		4 MIL
Visible light transmitted		88.4%
Visible light Reflected		10.6%
UV Rejection		95%
Tensile Strength [kgf/mm]	Transverse Direction	11.5
	Machine Direction	13.9
Elongation [%]	Transverse Direction	88
	Machine Direction	73
Break Strength [lbs/inch]	Transverse Direction	78.5
	Machine Direction	158
Puncture resistance load [lbs]		52.3
Peel Strength [gr/inch]		>1800
Melting Point		255-265
Scratch Resistance		2H<

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.

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

This film-to-glass chart should not be used to make final decisions about Flexfilm products without prior approval or considering additional safety factors. Refer to other considerations for variables that may influence the glass's safety and outcome, which may override this chart.

- Incompatible: do not use
- Caution: pre-approval required
- Compatible

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# SAFETY

# 7MIL

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

SECURITY		7 MIL
Visible light transmitted		83.0%
Visible light Reflected		16.2
UV Rejection		95%
Tensile Strength [kgf/mm]	Transverse Direction	12.5
	Machine Direction	14.2
Elongation [%]	Transverse Direction	107
	Machine Direction	62
Break Strength [lbs/inch]	Transverse Direction	94
	Machine Direction	176
Puncture resistance load [lbs]		87.2
Peel Strength [gr/inch]		>1800
Melting Point		255-265
Scratch Resistance		2H<

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.

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

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Caution: pre-approval required



Compatible

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## OUR PREMIUM PORTFOLIO

At Pure Island Window Films, we are dedicated to providing tailored solutions for our clients' unique needs. Whether you're looking to enhance energy efficiency, boost privacy, improve security, or add a touch of style, our extensive portfolio of flat glass films has something for every space. Let us help you transform your windows into a perfect blend of functionality and elegance.

### **Solar Control Films Dual Reflective**

A breakthrough in dual reflective technology, Dual Reflective combines a metallized outer layer with a low-reflective carbon inner layer. This unique design delivers exceptional solar energy reflection while maintaining clear indoor visibility. Its durable and inviting appearance makes it a top choice for both residential and commercial applications.

### **Chromo Reflective**

For optimal heat reduction with a sleek, mirrored look, Chromo Reflective stands out. Available in a variety of shades to suit your privacy and comfort needs, this film is ideal for creating a modern aesthetic while reducing solar heat and glare. Perfect for residential and commercial spaces alike.

### **Sputter**

Engineered with advanced sputtering technology, Sputter offers outstanding solar protection combined with sophisticated style. Available in bronze and neutral tones, this film delivers a premium, mirror-like finish for those seeking ultimate performance and privacy.

### **Innovative Solutions Nanoshield & Panashield**

Originally designed for automotive use, these films are now available for flat glass applications. They provide exceptional infrared and UV rejection, significant energy savings, and improved comfort, all while preserving the integrity of your windows.



## **Specialty Decorative Films**

### **White Frost**

Looking for a balance of privacy and natural light? White Frost creates a soft, light-diffusing effect that adds elegance to any space. It's ideal for offices, bathrooms, and other areas where seclusion and brightness are equally important.

### **White Out & Black Out**

For spaces that require maximum privacy and light control, our White Out and Black Out films deliver opaque finishes that completely block visibility. These bold, modern solutions are perfect for residential and commercial applications that need both functionality and aesthetic impact.

### **Safety and Security Films**

Strengthen your glass against break-ins, accidents, and UV damage with Safety. This virtually invisible film enhances safety without altering the natural look of your windows, making it ideal for homes and businesses.

### **Vandal Anti-graffiti**

Keep your property protected from graffiti and vandalism with Vandal Anti-graffiti. This durable exterior-grade film is easy to replace if damaged, ensuring your surfaces always look flawless while safeguarding your investment.

Each film in our portfolio is designed with precision and care, ensuring a perfect balance of aesthetics, functionality, and durability. At Pure Island Window Films, we don't just provide window films—we offer solutions that elevate the comfort, safety, and visual appeal of your spaces.





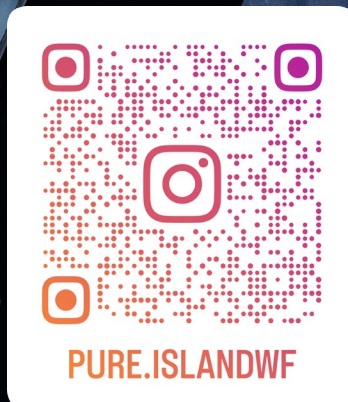
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