COMMERCIAL

RESIDENTIAL



PURE.ISLANDWF

ARCHITECTURA WINDOW FILM BOOK

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.





CHROMO



- 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

	CTIVE	35%
Visible light ti	ransmitted	35.6%
Visible light	External	35.8%
Reflected	Internal	38.5%
Solar Heat	Transmitted	27.9%
	Reflected	34.0%
	Absorbed	38.1%
IR Rejected	900-1000nm	74.6%
in nejecteu	780-2500nm	84.2%
UV Reje	ection	~99%
Total solar en	ergy rejected	60.0%
Shading coefficient		0.46
Solar heat gain coefficient		0.40
Glare Re	eduction	60.6

The intended purpose of the data provided is for comparison purposes only $\mathbb R$

	SILVER REFL	ECTIVE SERIES	;	
	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
4	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
DUAL 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	((.)) (())
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	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	((.) (()
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 30 - 40 ft	((🌲)) ((🌲))
	LAMINATED	1/8" - 1/4 "	Any Size	×

Incompatible: do not use

Caution: pre-approval required

Compatible

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DUAL



Best Selling					DUAL REFLE	CTIVE SERIES		
Highly reflect	ive mirror-li	ke out	er layer		GLASS TYPE	GLASS THICKNESS		
Highly reflect One-way day		ke inne	er layer	PANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	1 1
Exceptional h	eat reflectar	ice		LE P,	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	9
UV protection High IR reject Minimal glare	ion			SINGLE	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
Dry Adhesive Suitable for n		pes		٩E	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	7
Neutral gray o		pearan 5%	<u>ی</u>	DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	() ()
Visible light t	ransmitted	7.7%	try standard tes		2ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	()
Visible light Reflected	External Internal	56.3% 15.2%	: with industry	NE	CLEAR/ CLEAR /	1/8" - 1/4 "	Up to 30 ft	>
	Transmitted	7.2%	ccordance es onlyമ	TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	
Solar Heat	Reflected	50.9%	face in acc purposes	TRIPI	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	
	Absorbed	41.9%	s surfac ison pu		TINTED/ CLEAR / LOW E	1/8" - 1/4 "	Up to 30 ft	>
IR Rejected	900-1000nm	91.6%	th clear glass surface in accordance for comparison purposes only s for comparison purposes only		LOW E STANDARD	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	()
	780-2500nm	95.1%	a 1/4 inch ovided is 1			sion siz «	Up to 30 ft	()
UV Rej	ection	~99%	ied on a data pro	LOW E	E2 OR PLUS	1/8" - 1/4 "	30 - 40 ft	()
Total solar en		79%	were appl ose of the c		E3 OF PLUS PLUS	1/8" - 1/4 "	Up to 30 ft	()
Solar heat ga	oefficient in coefficient	0.24	All tested materials were applied on a 1 The intended purpose of the data provi		LAMINATED	1/8" - 1/4 "	30 - 40 ft Any Size	۱» د
Glare Re	eduction	91.5	All tested The intel	×				

Caution: pre-approval required

Compatible

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DUAL



Dest Setting			
Highly reflectiv	e mirror-like	outer	layer
Highly reflectiv	e mirror-like	inner	layer
One-way daytir	me privacy		
Exceptional hea	at reflectance	2	
UV protection			
High IR rejectio	on		
Minimal glare r	eduction		
Dry Adhesive			
Suitable for mo	ost glass type	s	
Neutral gray co	olor and appe	arance	
DUAL REFLEC	TIVE	15%	d tests.
Visible light tr	ansmitted	17.3%	ed on a 1/4 inch clear glass surface in accordance with industry standard tests lata provided is for comparison purposes only. ${f X}$
Visible light	External	37.6%	industry
Reflected	Internal	14.9%	ce with
	Transmitted	15.9%	ccordan es only.
Solar Heat	Reflected	36.0%	ace in a
	Absorbed	48.1%	ass surfa
IR Rejected	900-1000nm	82.9%	clear gl or comp
in nojectou	780-2500nm	88.8%	1/4 inch ided is f
UV Reje	ection	~99%	d on a 1 ata prov
Total solar energy	rejected (TSER)	68%	
Shading co	pefficient	0.36	rials wer urpose (
Solar heat gain co	efficient (SHGC)	0.32	All tested materials were appli The intended purpose of the c
Glare Re	duction	80.8	All teste The inte
-		-	

DUAL REFLECTIVE SERIES

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	†
DUAL 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	× ×
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
RIPLE.	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	× ×
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 30 - 40 ft	× ×
	LAMINATED	1/8" - 1/4 "	Any Size	×
X	Incompatible: do no	t use		

Caution: pre-approval required

Compatible



Caution: pre-approval required

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Compatible

DUAL



۲	Best Selling					DUAL REFLE	ECTIVE SERIES		
	Highly reflective	e mirror-like	outer	layer		GLASS TYPE	GLASS THICKNESS		
•	Highly reflectiv One-way daytir		inner	layer	ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
	Exceptional he	at reflectance	9		SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
	UV protection High IR rejection				SING	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
	Minimal glare r Dry Adhesive Suitable for mo		s		ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	†
Ó	Neutral gray co	olor and appe			DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	((🌲)) ((🌲))
	Visible light tr	ansmitted	26.1%	glass surface in accordance with industry standard tests mparison purposes only函		2ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	× ×
	Visible light Reflected	External	34.6%	th indu		CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
	Kentecteu	Internal	21.8%	ance wi y.⊠	PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
	Calvallant	Transmitted	22.0%	accord oses onl	TRIPLE	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
	Solar Heat	Reflected	33.4%	urface ir on purpo	ТЯ	TINTED/ CLEAR / LOW E	1/8" - 1/4 "	Up to 30 ft	×
	IR Rejected	Absorbed 900-1000nm	44.7% 78.2%	clear for co		LOW E STANDARD	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	× ×
	UV Reje	780-2500nm ection	85.9% ~99%	All tested materials were applied on a 1/4 inch. The intended purpose of the data provided is f	LOW E	E2 OR PLUS	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	× ×
	Total solar energy	rejected (TSER)	63%	e applie of the da	Ξ			Up to 30 ft	×
	Shading co	pefficient	0.42	rials wer urpose (E3 OF PLUS PLUS	1/8" - 1/4 "	30 - 40 ft	×
	Solar heat gain co	efficient (SHGC)	0.37	ed mate ended p		LAMINATED	1/8" - 1/4 "	Any Size	×
	Glare Re	duction	71.1	All test The int	×	Incompatible: do no	t use		
4									

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.



DUAL



Best Selling			
Highly reflectiv	e mirror-like	outer	layer
Highly reflectiv	e mirror-like	inner	layer
One-way daytir	me privacy		
Exceptional hea	at reflectance		
UV protection			
High IR rejection	on		
Minimal glare r	eduction		
Dry Adhesive			
Suitable for mo			
Neutral gray co		arance	
DUAL REFLEC	TIVE	35%	ard test
Visible light tr	ansmitted	36.2%	y stand
Visible light	External	25.1%	industr
Reflected	Internal	19.5%	ice with
	Transmitted	30.3%	ccordar es only.
Solar Heat	Reflected	24.7%	ace in a purpos
	Absorbed	45.0%	ass surf. Darison
IR Rejected	900-1000nm	70.5%	clear gl
in Rejected	780-2500nm	78.8%	a 1/4 inch clear glass surface in accordance with industry standard tests rovided is for comparison purposes only⊠
UV Reje	ection	~99%	
Total solar energy	rejected (TSER)	54.9%	All tested materials were applied on The intended purpose of the data p
Shading co	pefficient	0.52	ials wer urpose c
Solar heat gain co	efficient (SHGC)	0.45	d mater nded pu
Glare Re	duction	59.9	ull tester he inter
			< ⊢

DUAL	REFLEC	SERIES
DOAL		

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
щ	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
DUAL 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	× ×
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
'RIPLI	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
<u> </u>	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	× ×
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 30 - 40 ft	× ×
	LAMINATED	1/8" - 1/4 "	Any Size	×
X	Incompatible: do no	t use		

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 $\mathbb X$

Caution: pre-approval required

Compatible



SPUTTER Bronze



BRONZE

- 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

SPITTEREI	D 20%	0
Visible light tr	ansmitted	23%
Visible light	Visible light External	
Reflected	Internal	33%
	Transmitted	14%
Solar Heat	Reflected	33%
	Absorbed	53%
IR Rejected		76%
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	71%
Shading co	0.33	
Solar heat gain co	0.29	
Glare Re	duction	75

	SPU'	TTERED SERIE	S	
	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	† ((!))
DUAL 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	((.) (()
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
EPAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	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	((.) (()
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 30 - 40 ft	((.))
	LAMINATED	1/8" - 1/4 "	Any Size	×

X Incompatible: do not use

Caution: pre-approval required

Compatible



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 REFLEC	CTIVE	15%
Visible light tr	ransmitted	16.2%
Visible light	External	55.0%
Reflected		59.3%
	Transmitted	12.7%
Solar Heat	Reflected	46.8%
	Absorbed	40.5%
IR Rejected	900-1000n	87.5%
in nejected	780-2500n	93.2%
UV Reje	ection	~99%
Total solar ene	ergy rejected	74.4%
Shading co	0.29	
Solar heat gai	0.26	
Glare Re	duction	82

SILVER REFLECTIVE SERIES GLASS THICKNESS GLASS Up to 40 ft 1/8" - 1/4 " **CLEAR ANNEALED** SINGLE PANE 40 - 100 ft TEM PERED / HEAT 1/8" - 3/8" Up to 100 ft Up to 40 ft (亀) TINT ANNEALED 1/8" - 1/4 " 40 - 100 ft (1) Up to 30 ft **CLEAR ANNEALED** 1/8" - 1/4 " 30 - 40 ft **DUAL PANE** Up to 30 ft () **1ST SURFACE TINTED** 1/8" - 1/4 " 30 - 40 ft Up to 30 ft (()) 1/8" - 1/4 " **2ST SURFACE TINTED** X 30 - 40 ft CLEAR/ CLEAR / 1/8" - 1/4 " Up to 30 ft X **TRIPLE PANE CLEAR/ CLEAR / LOW 3** Up to 30 ft X TINTED/ CLEAR / CLEAR 1/8" - 1/4 " Up to 30 ft Х TINTED/ CLEAR / LOW E 1/8" - 1/4 " Up to 30 ft X Up to 30 ft (, **LOW E STANDARD** 1/8" - 1/4 " 30 - 40 ft (🌒) (🌒) Up to 30 ft **E2 OR PLUS** 1/8" - 1/4 " LOW × 30 - 40 ft Up to 30 ft (🌒) **E3 OF PLUS PLUS** 1/8" - 1/4 " 30 - 40 ft Х LAMINATED **Any Size** × 1/8" - 1/4 "



Incompatible: do not use

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Compatible

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CHROMO



- 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 REFLEC	20%	
Visible light tr	ansmitted	19.0%
Visible light	External	55.1%
Reflected	Internal	58.1%
	Transmitted	14.7%
Solar Heat	Reflected	49.7%
	Absorbed	35.6%
IR Rejected	900-1000nm	86.3%
	780-2500nm	92.7%
UV Reje	ection	~99%
Total solar ene	74.4%	
Shading co	0.30	
Solar heat gai	0.26	
Glare Re	duction	79

SILVER REFLECTIVE SERIES GLASS THICKNESS **GLASS TYPE** Up to 40 ft 1/8" - 1/4 " **CLEAR ANNEALED** 40 - 100 ft

SINGLE PANE	CLEAR ANNEALED	1/8" - 1/4 "	40 - 100 ft 📍
	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft 🕈
	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft ((阜)) 40 - 100 ft ((阜))
щ	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 📍 30 - 40 ft 📍
DUAL 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 ×
ш	CLEAR/ CLEAR /	1/8" - 1/4 "	Up to 30 ft $ imes$
TRIPLE PANE	CLEAR/ CLEAR / LOW 3		Up to 30 ft $ imes$
RIPL.	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft $ imes$
<u> </u>	TINTED/ CLEAR / LOW E	1/8" - 1/4 "	Up to 30 ft $ imes$
	LOW E STANDARD	1/8" - 1/4 "	Up to 30 ft (🔍) 30 - 40 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 (🔍) 30 - 40 ft 🗙
	LAMINATED	1/8" - 1/4 "	Any Size 🗙

Incompatible: do not use

Caution: pre-approval required

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SPUTTER Bronze



BRONZE

- 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 tr	ansmitted	35%
Visible light	External	18%
Reflected	Internal	24%
	Transmitted	24%
Solar Heat	Reflected	24%
	Absorbed	52%
IR Rejected		68%
UV Rejection		~99%
Total solar energy	62%	
Shading c	0.44	
Solar heat gain co	0.38	
Glare Re	duction	61

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
DUAL 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	†
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
[RIPL	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	†
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 30 - 40 ft	((.) (()
	LAMINATED	1/8" - 1/4 "	Any Size	×

SPUTTERED SERIES

Incompatible: do not use

Caution: pre-approval required

Compatible

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The intended purpose of the data provided is for comparison purposes only.



SPUTTERED NEUTRAL



NEUTRAL

- 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 tr	ransmitted	19%
Visible light	External	29%
Reflected	Internal	31%
	Transmitted	17%
Solar Heat	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 Re	eduction	78

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

SPUTTERED SERIES

GLASS TYPE

GLASS THICKNESS

Incompatible: do not use

Caution: pre-approval required

Compatible

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DUAL PANE

TRIPLE PANE





NEUTRAL

Reflective metallized outer layer

ND

- Reflective metallized inner layer
- Exceptional solar energy reflectance
- UV protection
- High IR rejection
- Minimal glare reduction
- Dry adhesive

Soft, neutral color and appearance

S	uitab	le fo	or mo	st gl	ass t	ypes

SPUTTERED		35%
Visible light tr	ansmitted	35%
Visible light	External	17%
Reflected	Internal	19%
	Transmitted	30%
Solar Heat	Reflected	14%
	Absorbed	56%
IR Rejected		53%
in Rejected		
UV Rejection		~99%
Total solar energy	rejected (TSER)	53%
Shading coefficient		0.55
Solar heat gain co	efficient (SHGC)	0.47
Glare Re	duction	61

	SPUTT	ERED SERIES	5	
	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	
DUAL 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	((.))
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	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	((🌲)) ((🌲))
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 30 - 40 ft	((🌲)) ((🌲))
	LAMINATED	1/8" - 1/4 "	Any Size	×

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 tr	ansmitted	35.35%
Visible light	External	9.64
Reflected	Internal	8.10
	Transmitted	22.87
Solar Heat	Reflected	13.68
	Absorbed	63.45
IR Rejected	900-1000nm	88.11
ik kejecteu	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 Re	duction	-/-

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	₽ ((๋,∎.))
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	((.)) (())
DUAL 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	× ×
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	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	† ((!))
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 30 - 40 ft	× ×
	LAMINATED	1/8" - 1/4 "	Any Size	×

PANASHIELD / ARCHITECTURAL CERAMIC SERIES

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 tr	ansmitted	47.30%
Visible light	External	9.35
Reflected	Internal	8.81
	Transmitted	28.17
Solar Heat	Reflected	13.15
	Absorbed	58.68
IR Rejected	900-1000nm	88.19
ik kejecteu	780-2500nm	89.18
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	56.52
Shading coefficient		0.55
Solar heat gain coefficient (SHGC)		0.4778
Glare Re	duction	-/-

	GLASS TYPE	GLASS THICKNESS	
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 🛛 👇 40 - 100 ft 👇
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft 🛛 👇
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 🛛 👇 40 - 100 ft 🛛 👇
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 🛛 👇 30 - 40 ft 🛛 👇
DUAL 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
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft 🛛 🗙
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft 🛛 🗙
.RIPL	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 🗙

PANASHIELD / ARCHITECTURAL CERAMIC SERIES

Incompatible: do not use

Caution: pre-approval required

• Compatible

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PANASHIELD

70%

Up to 40 ft

30 - 40 ft

30 - 40 ft

30 - 40 ft

Up to 30 ft

30 - 40 ft

30 - 40 ft

Up to 30 ft

30 - 40 ft

Any Size

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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 tr	ansmitted	69.42%
Visible light	External	10.64
Reflected	Internal	9.11
	Transmitted	41.88
Solar Heat	Reflected	14.60
	Absorbed	43.52
IR Rejected	900-1000nm	88.18
in Rejected	780-2500nm	89.97
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	46.76
Shading co	0.65	
Solar heat gain co	0.5588	
Glare Re	duction	-/-

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

PANASHIELD / ARCHITECTURAL CERAMIC SERIES

GLASS THICKNESS

1/8" - 1/4 "

GLASS TYPE

CLEAR ANNEALED

DUAL PANE

Incompatible: do not use

Caution: pre-approval required

Compatible

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The intended purpose of the data provided is for comparison purposes only. ${\Bbb A}$



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 tr	ansmitted	49%
Visible light	External	9.8%
Reflected	Internal	8.1%
	Transmitted	24.6%
Solar Heat	Reflected	8.5%
	Absorbed	67%
ID Dejected	900-1000nm	97%
IR Rejected	780-2500nm	97.1%
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	58%
Shading co	0.54	
Solar heat gain co	0.42	
Glare Re	duction	-/-

NANOSHIELD / ARCHITECTURAL CERAMIC SERIES

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	† ((!))
Ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	↑ (
DUAL 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	× ×
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×
TRIPLE PANE	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	♀ ((鳥))
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 30 - 40 ft	× ×
	LAMINATED	1/8" - 1/4 "	Any Size	×

Incompatible: do not use

Caution: pre-approval required

Compatible

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NANOSHIELD

70%

				NA	ANOSHIELD / ARCH	IITECTURAL CE	RAMIC SER	IES
Low reflectivity	y - (GLASS TYPE	GLASS THICKNESS		
High visibility Exceptional he	at insulation			ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	¶ ¶
UV protection Maximum IR re	election			SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	9
Minimal glare Stealthy black	reduction			SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	7
Carbamate HD Suitable for mo	adhesive	:5	$\geq \langle \langle$	ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	
NANOSHIELD Visible light tr	ransmitted	70% 69%	tandard tests.	DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	9
Visible light Reflected	External	9.5% 10.9%	clear glass surface in accordance with industry standard tests. or comparison purposes only.		2ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	
	Internal Transmitted	33.2%	only.	ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	>
Solar Heat	Reflected	6.8%	ie in acciurposes	TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	>
	Absorbed	60%	ss surfac arison pi	TRIPL	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	>
ID Deireted	900-1000nm	93%	lear gla: r compa		TINTED/ CLEAR / LOW E	1/8" - 1/4 "	Up to 30 ft	>
IR Rejected	780-2500nm	94%	applied on a 1/4 inch clear glass surface in accordanc the data provided is for comparison purposes only⊠		LOW E STANDARD	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	()
UV Reje	ection	~99%	applied on a the data pro				Up to 30 ft	
Total solar energy	rejected (TSER)	52%		LOWE	E2 OR PLUS	1/8" - 1/4 "	30 - 40 ft	()
Shading co Solar heat gain co		0.62 0.48	All tested materials were The intended purpose of		E3 OF PLUS PLUS	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	()
Glare Re	eduction	-/-	All test The int		LAMINATED	1/8" - 1/4 "	Any Size	>

Incompatible: do not use

Caution: pre-approval required

Compatible

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ANTI-GRAFFITI

Exterior	appli	ication	only	
D			1 A A	

AND

- 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-GRAFFIT		4 MIL
Visible light tr	ansmitted	84%
Visible light	External	8.6%
Reflected	Internal	8.6%
	Transmitted	82%
Solar Heat	Reflected	7%
	Absorbed	11%
IR Rejected		-/-
in nejecteu		-/-
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	17%
Shading co	0.97	
Solar heat gain co	-/-	
Glare Re	duction	-/-

SAFETY/ SAFETY AND SECURITY SERIES

GLASS TYPE	GLASS THICKNESS	
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 🛛 🌪
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 👇
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 👇
	CLEAR ANNEALED TEMPERED / HEAT STR TINT ANNEALED CLEAR ANNEALED CLEAR ANNEALED CLEAR / CLEAR / CLEAR CLEAR / CLEAR / CLEAR / CLEAR / CLEAR CLEAR / CLEAR / CLEAR / CLEAR / CLEAR / CLEAR CLEAR / CLEA	CLEAR ANNEALED 1/8" - 1/4 " TEMPERED / HEAT STR 1/8" - 3/8" TINT ANNEALED 1/8" - 1/4 " CLEAR ANNEALED 1/8" - 1/4 " IST SURFACE TINTED 1/8" - 1/4 " 2ST SURFACE TINTED 1/8" - 1/4 " CLEAR/ CLEAR / CLEAR 1/8" - 1/4 " CLEAR/ CLEAR / CLEAR 1/8" - 1/4 " TINTED/ CLEAR / CLEAR 1/8" - 1/4 " INWE STANDARD 1/8" - 1/4 " E2 OR PLUS 1/8" - 1/4 "

Incompatible: do not use

Caution: pre-approval required

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Compatible

ANTI-GRAFFITI

Exterior application only
 Deduced and application only

LAND

- 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-GRAFFIT	1	7 MIL
Visible light tr	ansmitted	84%
Visible light	External	8.6%
Reflected	Internal	8.6%
	Transmitted	80%
Solar Heat	Reflected	8%
	Absorbed	12%
IR Rejected		-/-
ik kejected		-/-
UV Reje	ection	~99%
Total solar energy	18%	
Shading c	0.94	
Solar heat gain co	-/-	
Glare Re	eduction	-/-

SAFETY/ SAFETY AND SECURITY SERIES

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	GLASS TYPE	GLASS THICKNESS	
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 🛛 👇 40 - 100 ft 👇
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft 🛛 👇
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 🛛 🌳 40 - 100 ft 🛛 👇
щ	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 🛛 👇 30 - 40 ft 👇 👇
DUAL 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 🛛 🕈
щ	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft 🛛 👇
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft 🛛 👇
TRIPLE PANE	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 👇 👇
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 🛛 🕈 30 - 40 ft 🛛 🕈
	LAMINATED	1/8" - 1/4 "	Any Size 👇

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 I	FROST
Visible light tr	ansmitted	68%
Visible light	External	18%
Reflected	Internal	16%
	Transmitted	63%
Solar Heat	Reflected	18%
	Absorbed	19%
IR Rejected		53%
in Rejected		-/-
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	31%
Shading co	0.79	
Solar heat gain co	0.69	
Glare Re	duction	-/-

	GLASS TYPE	GLASS THICKNESS		
ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	†
DUAL 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	•
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	-
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	-
RIPL	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	7
-	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	†
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 30 - 40 ft	†
	LAMINATED	1/8" - 1/4 "	Any Size	-

DECORATIVE/ SPECIALTY

Incompatible: do not use

Caution: pre-approval required

Compatible

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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. ${\Bbb R}$



WHITE OUT

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

DECORATIVE	WHITE	OUT
Visible light tr	ansmitted	3.1%
Visible light	External	72%
Reflected	Internal	71%
	Transmitted	1.3%
Solar Heat	Reflected	73.1%
	Absorbed	25.6%
IR Rejected		0%
in Nejected		-/-
UV Reje	ection	~99%
Total solar energy	rejected (TSER)	27%
Shading co	0.25	
Solar heat gain co	0.21	
Glare Re	duction	-/-

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	××		
ш	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×		
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×		
TRIPLE PANE	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×		
F	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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BLACK OUT

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

DECORATIVE	COUT	
Visible light tr	ansmitted	0%
Visible light	ble light External	
Reflected	Internal	6%
	Transmitted	0%
Solar Heat	Reflected	5%
	Absorbed	95%
IP Poincted		0%
IR Rejected		-/-
UV Rejection		~99%
Total solar energy rejected (TSER)		68%
Shading co	0.35	
Solar heat gain co	0.29	
Glare Re	-/-	

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	××		
щ	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	×		
E PAN	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	×		
TRIPLE PANE	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

P Compatible

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SAFETY

4 MIL

					SAFETY/ SAFETY AND SECURITY SERIES				
						GLASS TYPE	GLASS THICKNESS		
•	Helps protect a Virtually clear	igainst broke	en glass	hazards	ANE	CLEAR ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
٠	UV protection				SINGLE PANE	TEMPERED / HEAT STR	1/8" - 3/8"	Up to 100 ft	-
•	 Pressure sensitive adhesiv Suitable for most glass typ 					TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	†
					ш	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	†
	SECURITY Visible light tr	ansmitted	4 MIL 88.4%	on a 1/4 inch clear glass surface in accordance with industry standard tests. a provided is for comparison purposes only.®	DUAL PANE	1ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
	Visible light	Reflected	10.6%	industry st		2ST SURFACE TINTED	1/8" - 1/4 "	Up to 30 ft	-
	UV Rejection		95%	e with			30 - 40 ft		
	Tensile Strength	Transverse Direction	11.5	ordanc only.⊠		CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	-
	[kgf/mm]	Machine Direction	13.9	ce in acc urposes		CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	-
	Elongation	Transverse Direction	88	ss surfa		TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	-
	[%]	Machine Direction	73	lear glas r compa		TINTED/ CLEAR / LOW E	1/8" - 1/4 "	Up to 30 ft	-
	Break Strength	Transverse Direction	78.5	I/4 inch cl ided is fo		LOW E STANDARD	1/8" - 1/4 "	Up to 30 ft	
	[lbs/inch]	lbs/inch] Machine 158				30 - 40 ft	_		
	Puncture resistance load [lbs] Peel Strength [gr/inch]		52.3		LOW E	E2 OR PLUS	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
			>1800	d purpo				lln to 20.6	
	Melting	ng Point 255-265				E3 OF PLUS PLUS	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	т Т
	Scratch R	esistance	2H<	All tesi The ini		LAMINATED	1/8" - 1/4 "	Any Size	-

X Incompatible: do not use

() Caution: pre-approval required

Compatible



SAFETY

Helps protect against broken glass hazards

- Virtually clear
- **UV** protection
- Pressure sensitive adhesive
- Suitable for most glass types

SECURITY	7 MIL	
Visible light tr	83.0%	
Visible light	16.2	
UV Rejec	95%	
Tensile Strength	Transverse Direction	12.5
[kgf/mm]	Machine Direction	14.2
Elongation	Transverse Direction	107
[%]	Machine Direction	62
Break Strength	Transverse Direction	94
[lbs/inch]	Machine Direction	176
Puncture resista	87.2	
Peel Strengt	>1800	
Melting	255-265	
Scratch R	2H<	

SAFETY/ SAFETY AND SECURITY SERIES

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	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	-
SIN	TINT ANNEALED	1/8" - 1/4 "	Up to 40 ft 40 - 100 ft	•
щ	CLEAR ANNEALED	1/8" - 1/4 "	Up to 30 ft 30 - 40 ft	•
DUAL 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	•
Щ	CLEAR/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	-
TRIPLE PANE	CLEAR/ CLEAR / LOW 3	1/8" - 1/4 "	Up to 30 ft	-
JAIN-	TINTED/ CLEAR / CLEAR	1/8" - 1/4 "	Up to 30 ft	7
	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	
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 30 - 40 ft	†
	LAMINATED	1/8" - 1/4 "	Any Size	-

Incompatible: do not use

Caution: pre-approval required

Compatible

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www.pureislandwf.com

The intended purpose of the data provided is for comparison purposes only ${\mathbb M}$



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.



149 HAWTHORNE ST, MASTIC, NY 11950, ONLINE OFFICE PHONE: 6319537412 SALES:6317087671 CONTACT@PUREISLANDWF.COM JR.SALES@PUREISLANDWF.COM



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