

SERIES 1000

NFRC ENERGY VALUES



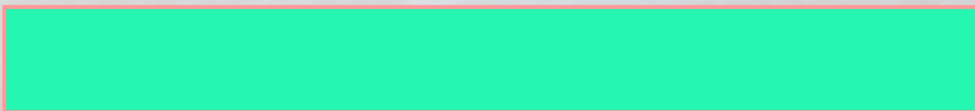
VELOCITY
IMPACT PRODUCTS

TURTLE GLASS

In coastal communities, sea turtles crawl onto the beach at night and lay their nests. These spectacular creatures are naturally drawn towards the light of the horizon from the reflection of the water.

Florida building codes require new construction with direct “line of sight” to the beach to install windows with a visible light transmission (VLT) of 45% or less. Florida has also implemented several ordinances in order to help further protect sea turtles. The Florida Model Lighting Ordinance for Marine Turtle Protection was created with the intent to establish guidelines to help protect wayward sea turtles in coastal areas from the effects of artificial lighting and to help improve the overall nesting habitats. Specifics to the definition of tinted glass includes: “any glass treated to achieve an industry-approved, inside-to-outside light transmittance value of 45% or less and limited to the visible spectrum.”

Velocity easily identifies Turtle Compliant Glass with a center of glass VT of 45% or less by shading the values in green.



INSULATED LAMINATED GLASS

1/4" TMP CLEAR + 3/8" AIR + 1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.49	.54	17
-	Y	.74	.43	.47	17
SB60(2)	-	.62	.30	.48	18
SB60(2)	Y	.65	.26	.42	18
SB67(2)	-	.62	.23	.37	18
SB67(2)	Y	.65	.20	.32	18
SB70(2)	-	.61	.22	.44	18
SB70(2)	Y	.65	.19	.38	18
SB90(2)	-	.61	.19	.35	18
SB90(2)	Y	.65	.17	.30	18

Big Enough to Deliver. Small Enough to Care.

INSULATED LAMINATED GLASS

1/4" TMP CLEAR + 3/8" AIR + 1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.49	.54	17
-	Y	.74	.43	.47	17
SB60(2)	-	.62	.30	.48	18
SB60(2)	Y	.65	.26	.42	18
SB67(2)	-	.62	.23	.36	18
SB67(2)	Y	.65	.20	.32	18
SB70(2)	-	.61	.22	.44	18
SB70(2)	Y	.65	.19	.38	18
SB90(2)	-	.61	.19	.35	18
SB90(2)	Y	.65	.17	.30	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLARGRAY + 3/8" AIR + 1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.33	.27	17
-	Y	.74	.29	.24	17
SB60(2)	-	.62	.20	.24	18
SB60(2)	Y	.65	.18	.21	18
SB70(2)	-	.61	.16	.22	18
SB70(2)	Y	.65	.14	.19	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLARGRAY + 3/8" AIR + 1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.33	.27	17
-	Y	.74	.29	.23	17
SB60(2)	-	.62	.20	.24	18
SB60(2)	Y	.65	.18	.21	18
SB70(2)	-	.61	.16	.22	18
SB70(2)	Y	.65	.14	.23	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLARBRONZE + 3/8" AIR + 1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.36	.32	17
-	Y	.74	.32	.28	17
SB60(2)	-	.62	.22	.29	18
SB60(2)	Y	.65	.20	.25	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLARBRONZE + 3/8" AIR + 1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.36	.32	17
-	Y	.74	.32	.28	17
SB60(2)	-	.62	.22	.29	18
SB60(2)	Y	.65	.20	.25	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLEXIA + 3/8" AIR + 1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.36	.47	17
-	Y	.74	.32	.41	17
SB70(2)	-	.61	.21	.39	18
SB70(2)	Y	.65	.19	.34	18

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INSULATED LAMINATED GLASS

1/4" TMP SOLEXIA + 3/8" AIR + 1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.36	.47	17
-	Y	.74	.32	.41	17
SB70(2)	-	.61	.21	.38	18
SB70(2)	Y	.65	.19	.33	18

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INSULATED LAMINATED GLASS

1/4" TMP AZURIA + 3/8" AIR + 1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.29	.42	17
-	Y	.74	.26	.36	17
SB60(2)	-	.62	.22	.37	18
SB60(2)	Y	.65	.20	.32	18

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INSULATED LAMINATED GLASS

1/4" TMP AZURIA + 3/8" AIR + 1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	.72	.29	.41	17
-	Y	.74	.26	.36	17
SB60(2)	-	.62	.22	.37	18
SB60(2)	Y	.65	.20	.32	18

Big Enough to Deliver. Small Enough to Care.

INSULATED LAMINATED GLASS

1/4" TMP OPTIBLUE + 3/8" AIR + 1/4" HS OPTIBLUE + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
SBZ50(2)	-	.62	.24	.25	18
SBZ50(2)	Y	.65	.22	.22	18
SBZ75(2)	-	.61	.18	.23	18
SBZ75(2)	Y	.65	.16	.20	18

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INSULATED LAMINATED GLASS

1/4" TMP OPTIBLUE + 3/8" AIR + 1/4" HS OPTIBLUE + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
SBZ50(2)	-	.62	.24	.25	18
SBZ50(2)	Y	.65	.22	.22	18
SBZ75(2)	-	.61	.18	.23	18
SBZ75(2)	Y	.65	.16	.20	18

Big Enough to Deliver. Small Enough to Care.

MONOLITHIC LAMINATED GLASS

1/4" HS CLEAR + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.52	.61	16
-	Y	1.03	.46	.53	16
SB60(2)	-	1.03	.34	.51	16
SB60(2)	Y	1.03	.30	.44	16
SB67(2)	-	1.03	.25	.39	16
SB67(2)	Y	1.03	.23	.34	16
SB70(2)	-	1.03	.25	.43	16
SB70(2)	Y	1.03	.22	.37	16
SB90(2)	-	1.03	.24	.32	16
SB90(2)	Y	1.03	.22	.28	16

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MONOLITHIC LAMINATED GLASS

1/4" HS CLEAR + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.52	.60	16
-	Y	1.03	.46	.52	16
SB60(2)	-	1.03	.34	.50	16
SB60(2)	Y	1.03	.30	.44	16
SB67(2)	-	1.03	.25	.39	16
SB67(2)	Y	1.03	.22	.34	16
SB70(2)	-	1.03	.24	.42	16
SB70(2)	Y	1.03	.22	.37	16
SB90(2)	-	1.03	.24	.32	16
SB90(2)	Y	1.03	.22	.27	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLARGRAY + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.40	.31	16
-	Y	1.03	.35	.27	16
SB60(2)	-	1.03	.31	.26	16
SB60(2)	Y	1.03	.28	.22	16
SB70(2)	-	1.03	.19	.21	16
SB70(2)	Y	1.03	.17	.19	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLARGRAY + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.40	.30	16
-	Y	1.03	.35	.26	16
SB60(2)	-	1.03	.31	.25	16
SB60(2)	Y	1.03	.28	.22	16
SB70(2)	-	1.03	.19	.21	16
SB70(2)	Y	1.03	.17	.18	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLARBRONZE + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.42	.36	16
-	Y	1.03	.37	.32	16
SB60(2)	-	1.03	.32	.31	16
SB60(2)	Y	1.03	.28	.27	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLARBRONZE + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.42	.36	16
-	Y	1.03	.37	.31	16
SB60(2)	-	1.03	.32	.30	16
SB60(2)	Y	1.03	.28	.26	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLEXIA + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.42	.53	16
-	Y	1.03	.37	.46	16
SB70(2)	-	1.03	.23	.37	16
SB70(2)	Y	1.03	.20	.32	16

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MONOLITHIC LAMINATED GLASS

1/4" HS SOLEXIA + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.42	.52	16
-	Y	1.03	.37	.45	16
SB70(2)	-	1.03	.23	.37	16
SB70(2)	Y	1.03	.20	.32	16

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MONOLITHIC LAMINATED GLASS

1/4" HS AZURIA + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.37	.47	16
-	Y	1.03	.33	.41	16
SB60(2)	-	1.03	.34	.39	16
SB60(2)	Y	1.03	.30	.34	16

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1/4" HS AZURIA + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
-	-	1.03	.37	.46	16
-	Y	1.03	.33	.40	16
SB60(2)	-	1.03	.34	.39	16
SB60(2)	Y	1.03	.30	.34	16

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MONOLITHIC LAMINATED GLASS

1/4" HS OPTIBLUE + .090 PVB + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
SBZ50(2)	-	1.03	.30	.27	16
SBZ50(2)	Y	1.03	.26	.23	16

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MONOLITHIC LAMINATED GLASS

1/4" HS OPTIBLUE + .090 SGP + 1/4" HS CLEAR

LOW-E	MUNTIN	U-VALUE	SHGC	VT	CR
SBZ50(2)	-	1.03	.30	.26	16
SBZ50(2)	Y	1.03	.26	.23	16

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