



VIRACON VLE₅₇ Laminated Glass

The newest coating revolution specifically designed for laminated glass.

- Crisp transparent appearance with high visible light transmittance
- Safety glazing and solar control all-in-one
- Satisfies energy code requirements



Viracon's VLE₅₇ laminated glass products provide enhanced solar control, satisfying energy code requirements with a crisp transparent appearance and lower interior reflectance. The glazing offers a low shading coefficient and low solar heat gain coefficient (SHGC) while allowing clear vision through the glass during low-light hours.

When your application requires the safety features of laminated glass along with the solar control of a high performance coating, Viracon's VLE₅₇ laminated glass lets you balance both.

Available with polyvinyl butyral (PVB) interlayers of various thicknesses, Vanceva® Storm and StormGuard™ interlayers.

Turtle Code:

VIRACON VLE₅₇ complies with the Florida Model Lighting Ordinance for Marine Turtle Protection in combination with certain tinted glass substrates. The ordinance requires architectural glass to transmit no more than 45% of the light from inside. The reason, light from a coastal building within 1,000 feet of the seashore attracts marine turtle hatchlings away from their natural environment at sea.



VLE57 Laminated Glass

The innovative coating on the second (#2) surface is edge deleted. The performance data on this flyer is offered with a .060 polyvinyl butyral (PVB) interlayer and the StormGuard™ enhanced PVB interlayer.

VLE57 Codes: Example = VLE1¹-57

¹Outboard Glass Substrate Color Codes = 1–Clear, 2–Green, 3–Gray, 4–Bronze, 5–Blue, 6–Blue-Green, 14–Carbia™, 15–Guardian UltraWhite™, 19–Guardian CrystalGray™.

VIRACON VLE57 LAMINATED GLASS (.060" PVB INTERLAYER) TABLE 1

PRODUCT	TRANSMITTANCE			REFLECTANCE			U-VALUE		SHADING COEFFICIENT	RELATIVE		EUROPEAN	
	VISIBLE	SOLAR	U-V	VIS-OUT	VIS-IN	SOLAR	WINTER	SUMMER		HEAT GAIN	SHGC	LSG	U-VALUE
VLE1-57	57%	29%	<1%	29%	16%	37%	.95	.86	.45	103	.39	1.46	5.3
VLE2-57	48%	20%	<1%	22%	16%	15%	.95	.86	.47	107	.41	1.17	5.3
VLE3-57	28%	15%	<1%	10%	15%	15%	.95	.86	.44	100	.38	0.74	5.3
VLE4-57	34%	18%	<1%	13%	15%	18%	.95	.86	.45	101	.38	0.89	5.3
VLE5-57	36%	17%	<1%	14%	16%	15%	.95	.86	.46	103	.39	0.92	5.3
VLE6-57	48%	21%	<1%	22%	16%	17%	.95	.86	.47	107	.41	1.17	5.3
VLE14-57	43%	16%	<1%	19%	16%	11%	.95	.86	.46	105	.40	1.09	5.3
VLE15-57	59%	34%	<1%	30%	17%	48%	.95	.86	.45	102	.39	1.51	5.3
VLE19-57	41%	21%	<1%	17%	16%	20%	.95	.86	.46	104	.39	1.05	5.3

Performance data provided based on LBNL WINDOW 5.2 Software.

The values shown are nominal. They may vary due to manufacturing tolerances.

1. The performance data in Table 1 applies to laminated glass constructed with two plies (clear inboard) of 1/4" (6 mm) glass and a .060" (1.52 mm) clear PVB interlayer. All coatings are applied to the second (#2) surface. If UltraWhite (15) glass is used, both plies of the laminate are the UltraWhite substrate.
2. If Viracon's VLE57 coating is applied to tinted glass, the glass must be heat treated.
3. If Viracon's VLE57 coating is applied to clear glass, contact our Technical Services Department to determine the possibility of using annealed glass.

VIRACON VLE57 LAMINATED GLASS (.100" STORMGUARD™ INTERLAYER) TABLE 2

PRODUCT	TRANSMITTANCE			REFLECTANCE			U-VALUE		SHADING COEFFICIENT	RELATIVE		EUROPEAN	
	VISIBLE	SOLAR	U-V	VIS-OUT	VIS-IN	SOLAR	WINTER	SUMMER		HEAT GAIN	SHGC	LSG	U-VALUE
VLE1-57	56%	28%	<1%	29%	16%	37%	.93	.84	.45	102	.39	1.44	5.2
VLE2-57	47%	19%	<1%	22%	16%	15%	.93	.84	.47	107	.41	1.15	5.2
VLE3-57	28%	15%	<1%	10%	15%	15%	.93	.84	.44	100	.38	0.74	5.2
VLE4-57	34%	18%	<1%	13%	15%	18%	.93	.84	.45	101	.38	0.89	5.2
VLE5-57	35%	17%	<1%	14%	15%	15%	.93	.84	.46	103	.39	0.90	5.2
VLE6-57	48%	21%	<1%	22%	16%	17%	.93	.84	.47	107	.41	1.17	5.2
VLE14-57	43%	16%	<1%	19%	15%	11%	.93	.84	.46	105	.40	1.08	5.2
VLE15-57	58%	33%	<1%	30%	17%	49%	.93	.84	.45	102	.39	1.49	5.2
VLE19-57	41%	20%	<1%	17%	15%	20%	.93	.84	.46	104	.39	1.05	5.2

Performance data provided based on LBNL WINDOW 5.2 Software.

The values shown are nominal. They may vary due to manufacturing tolerances.

1. The performance data in Table 2 applies to laminated glass constructed with two plies (clear inboard) of 1/4" (6 mm) glass and a clear .100" StormGuard interlayer. All coatings are applied to the second (#2) surface. If UltraWhite (15) is used, both plies of the laminate are the UltraWhite substrate.
2. If Viracon's VLE57 coating is applied to tinted glass, the glass must be heat treated.
3. If Viracon's VLE57 coating is applied to clear glass, contact our Technical Services Department to determine the possibility of using annealed glass.

Carbia is a trademark of PPG Industries, Inc.

UltraWhite and CrystalGray are trademarks of Guardian Industries Corp.

StormGuard is a trademark of Viracon.

Vanceva is a registered trademark of Solutia.