

VNE-53

INTRODUCING VIRACON'S NEWEST TRIPLE SILVER COATING HIGH LIGHT TRANSMISSION, OUTSTANDING SOLAR CONTROL AND SUPERIOR AESTHETICS ALL IN ONE COATING

Appearance matters! The high performance glass coating you specify and select for your next project will dictate the overall exterior aesthetics. That's why Viracon prides itself on developing and providing high performance coatings that do not concede on exterior appearance. Consistent exterior color and off-angle exterior appearance ensures your next project has the same appearance when viewed from all perspectives.

This same attention to detail was used when developing VNE-53, the newest coating to join Viracon's family of high performance coatings. VNE-53 features a silver-neutral exterior appearance with an impressive balance of visible light transmission and solar heat gain coefficient. With a Visible Light Transmission (VLT) of 52% and a Solar Heat Gain Coefficient (SHGC) of 0.23 on low-iron glass, you don't have to sacrifice light for performance. This combination of appearance, performance and quality continues to make Viracon the best choice for your next project.

VNE-53 KEY BENEFITS:

- + Superior aesthetics – Consistent neutral-silver exterior color and off-angle exterior appearance
- + Outstanding performance – 52% VLT with 0.23 SHGC on low-iron glass
- + Greater design options – Combine VNE-53 with Viracon's jumbo-sized architectural glass capabilities



VNE24-53
SHGC 0.23
VLT 52%

- The reflected colors of the images above are viewed from the exterior and are provided as a reference for the visual aesthetics of Viracon VNE-53. Sky conditions, viewing angle and other factors can influence perceived color. Viracon recommends viewing actual glass samples prior to final product selection. Visit viracon.com for more information.

SOLAR OPTICAL PROPERTIES AND THERMAL CHARACTERISTICS (AIR)

(1" OA) - 1/4"(6mm) VNE-53 on designated substrate - 1/2"(13.2mm) Airspace - 1/4"(6mm) Clear (or Low-Iron)

Nomenclature	Transmittance			Reflectance			U-Value		Shading Coefficient	Relative Heat Gain	SHGC	LSG
	Visible	Solar	UV	Vis-Out	Vis-in	Solar	Winter	Summer				
VNE1-53	49%	18%	2%	19%	21%	36%	.29	.25	.26	56	.23	2.13
VNE2-53	41%	15%	1%	15%	21%	12%	.29	.25	.24	52	.21	1.95
VNE3-53	24%	10%	1%	8%	20%	14%	.29	.25	.19	41	.16	1.50
VNE19-53	36%	14%	2%	12%	21%	19%	.29	.25	.23	49	.20	1.80
VNE24-53	52%	20%	3%	20%	22%	51%	.29	.25	.26	56	.23	2.26
VNE26-53	31%	12%	1%	10%	21%	15%	.29	.25	.21	46	.19	1.63
VNE29-53	34%	13%	2%	11%	21%	20%	.29	.25	.22	48	.19	1.79
VNE30-53	35%	13%	2%	12%	21%	17%	.29	.25	.22	48	.19	1.84

SOLAR OPTICAL PROPERTIES AND THERMAL CHARACTERISTICS (ARGON)

(1" OA) - 1/4"(6mm) VNE-53 on designated substrate - 1/2"(13.2mm) Airspace - 1/4"(6mm) Clear (or Low-Iron)

Nomenclature	Transmittance			Reflectance			U-Value		Shading Coefficient	Relative Heat Gain	SHGC	LSG
	Visible	Solar	UV	Vis-Out	Vis-in	Solar	Winter	Summer				
VNE1-53	49%	18%	2%	19%	21%	36%	.24	.20	.26	54	.22	2.23
VNE2-53	41%	15%	1%	15%	21%	12%	.24	.20	.23	49	.20	2.05
VNE3-53	24%	10%	1%	8%	20%	14%	.24	.20	.17	38	.15	1.60
VNE19-53	36%	14%	2%	12%	21%	19%	.24	.20	.21	46	.19	1.89
VNE24-53	52%	20%	3%	20%	22%	51%	.24	.20	.26	54	.22	2.36
VNE26-53	31%	12%	1%	10%	21%	15%	.24	.20	.20	43	.18	1.72
VNE29-53	34%	13%	2%	11%	21%	20%	.24	.20	.21	45	.18	1.89
VNE30-53	35%	13%	2%	12%	21%	17%	.24	.20	.21	45	.18	1.94

The solar and optical data presented is center-of-glass data based on the National Fenestration Rating Council measurement standards. They were calculated using Lawrence Berkeley National Laboratory's (LBNL) WINDOW 7 software. The values shown are nominal. They may vary due to manufacturing tolerances.

1. The performance data above applies to insulating glass with two plies (clear inboard) of 1/4" (6mm) glass and a 1/2" (13.2mm) airspace. Viracon VNE-53 is applied to the second (#2) surface. If Optiwhite™ (#24) glass is used, both plies of the unit are the Optiwhite substrate.
2. If VNE-53 is applied to tinted glass, the glass must be heat treated.
3. If VNE-53 is applied to clear glass, contact Viracon's Technical Services Department to determine the possibility of using annealed glass.
4. Available in maximum dimensions of 120" x 204" (3048mm x 5182mm). Note: The maximum size for annealed glass under any condition is 50 sq ft (4.65 sq m).

VNE Codes: Example = VNE11-53

'Outboard Glass Substrate Color Codes = 1-Clear, 2-Green, 3-Gray, 19-CrystalGray™, 24-Optiwhite™, 26-Solarblue™ glass, 29-Graphite, 30-Optigray® glass.

Performance of VNE on additional glass substrates can be viewed on viracon.com

Complete flexibility - specify VNE-53 on any of your preferred glass substrates.

Greater design options - combine VNE-53 on the same surface as silk-screen patterns or DigitalDistinctions™.

Superior aesthetics - the coating is applied after heat treating, augmenting flatness compared to architectural glass that is heat treated after the coating application.

CrystalGray is a trademark of Guardian Industries.

Optiwhite and Graphite are a trademark of Pilkington.

Solarblue™ glass and Optigray® glass are registered trademarks owned by Vitro.



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