



VRE-4725

ANNOUNCING VIRACON'S LATEST, CUTTING-EDGE, PROPRIETARY HIGH-PERFORMANCE LOW-EMISSION COATING

IN THE TRADITION OF OUR ICONIC VRE FAMILY OF COATINGS, VRE-4725 BALANCES BEST-IN-CLASS SOLAR PERFORMANCE WITH A VIBRANT, NEUTRAL-GRAPHITE APPEARANCE

Viracon is excited to release VRE-4725, our newest high-performance solar control architectural glass coating. With a Visible Light Transmission (VLT) of 47%, Solar Heat Gain Coefficient (SHGC) of 0.25, Exterior Reflectivity of 25%, and neutral to graphite reflected tones; Viracon affords architects yet another option to address all of their aesthetic and performance requirements.

Architects and designers routinely ask for coatings with reduced exterior reflectivity and a SHGC that preserve the same great VRE experience that has been featured on over 2,000 buildings the world over. Through a recently patented process, VRE-4725 was developed to meet the performance required in today's demanding building environment. The aesthetics were tailored to meld the traditional, vibrant appearance of Viracon's VRE coatings with current design trends, bringing a new, understated aspect to the latest generation of VRE coatings.



VRE-4725 KEY BENEFITS:

- + Outstanding performance and aesthetics – featuring great SHGC and low reflectance, with a vibrant, neutral-graphite appearance
- + Superior design – balanced VLT and SHGC attributes that improve occupant comfort and reduce energy costs
- + Greater design options – combine VRE-4725 with Viracon's broad selection of fabrication options to further enhance performance and aesthetics



VRE1-4725
VLT 47%
SHGC 0.25

The reflected colors of the images above are viewed from the exterior and are provided as a reference for the visual aesthetics of Viracon VRE-4725. 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.

VRE-4725: PERFORMANCE DATA¹

(1" 0A) - 1/4" (6mm) on designated substrate - 1/2" (13.2mm) space—AIR filled - 1/4" (6mm) Clear (or Low Iron)

Nomenclature ²	Transmittance			Reflectance			U-Value					
	Visible	Solar	UV	Vis-Out	Vis-In	Solar	Winter	Summer	SC	SHGC	RHG	LSG
VRE1-4725	47%	20%	8%	25%	20%	37%	0.29	0.26	0.29	0.25	62	1.88
VRE2-4725	40%	15%	4%	19%	20%	14%	0.29	0.26	0.25	0.22	54	1.82
VRE3-4725	24%	11%	4%	10%	19%	14%	0.29	0.26	0.20	0.18	45	1.33
VRE19-4725	35%	15%	5%	16%	20%	20%	0.29	0.26	0.24	0.21	53	1.67
VRE24-4725	50%	23%	11%	26%	21%	51%	0.29	0.26	0.30	0.26	63	1.92
VRE26-4725	30%	13%	5%	13%	20%	16%	0.29	0.26	0.23	0.20	49	1.50
VRE27-4725	23%	9%	2%	9%	19%	8%	0.29	0.26	0.19	0.17	42	1.35
VRE30-4725	34%	14%	5%	15%	20%	18%	0.29	0.26	0.24	0.21	52	1.62
VRE31-4725	50%	24%	11%	27%	21%	52%	0.29	0.26	0.30	0.26	63	1.92
VRE35-4725	50%	23%	10%	26%	21%	46%	0.29	0.26	0.30	0.26	63	1.92

(1" 0A) - 1/4" (6mm) on designated substrate - 1/2" (13.2mm) space—ARGON filled - 1/4" (6mm) Clear (or Low Iron)

Nomenclature ²	Transmittance			Reflectance			U-Value					
	Visible	Solar	UV	Vis-Out	Vis-In	Solar	Winter	Summer	SC	SHGC	RHG	LSG
VRE1-4725	47%	20%	8%	25%	20%	37%	0.25	0.21	0.28	0.25	60	1.88
VRE2-4725	40%	15%	4%	19%	20%	14%	0.25	0.21	0.24	0.21	51	1.90
VRE3-4725	24%	11%	4%	10%	19%	14%	0.25	0.21	0.19	0.17	41	1.41
VRE19-4725	35%	15%	5%	16%	20%	20%	0.25	0.21	0.23	0.20	50	1.75
VRE24-4725	50%	23%	11%	26%	21%	51%	0.25	0.21	0.29	0.25	61	2.00
VRE26-4725	30%	13%	5%	13%	20%	16%	0.25	0.21	0.22	0.19	46	1.58
VRE27-4725	23%	9%	2%	9%	19%	8%	0.25	0.21	0.18	0.16	39	1.44
VRE30-4725	34%	14%	5%	15%	20%	18%	0.25	0.21	0.23	0.20	49	1.70
VRE31-4725	50%	24%	11%	27%	21%	52%	0.25	0.21	0.29	0.25	61	2.00
VRE35-4725	50%	23%	10%	26%	21%	46%	0.25	0.21	0.29	0.25	61	2.00

Viracon's solar and optical performance data represent center-of-glass information based on the National Fenestration Rating Council measurement standards, and are calculated using Lawrence Berkeley National Laboratory's (LBNL) WINDOW 7 software. Values are nominal—values in as-delivered product may vary according to manufacturing quality tolerances.

1. The performance data above applies to insulating glass with two plies (coated outboard; clear inboard) of 1/4" (6mm) glass and a 1/2" (13.2mm) space. Viracon VRE-4725 is applied to the second (#2) surface. When low iron glass is used [Optiwhite™ (#24); UltraClear® (#31); Pure Mid Iron™ (#35)], both plies of the unit are composed of the given low iron substrate.
2. VRE-4725 can only be used with heat treated glass.
3. Available in maximum dimensions of 130" x 236" (3302mm x 5994mm).

¹ SC = Shading Coefficient; RHG = Relative Heat Gain; SHGC = Solar Heat Gain Coefficient; LSG = Light to Solar Heat Gain ratio

² VRE Nomenclature: Example = VRE1-4725, where the number following "VRE" is a color code for the outboard substrate as per following:

Outboard Glass Substrate Color Codes = 1-Clear, 2-Green, 3-Gray, 19-CrystalGray®, 24-Optiwhite™, 26-Solarblue®, 27-Pacifica®, 30-Optigray®, 31-UltraClear®, 35-Pure Mid Iron™. Performance of VRE on additional glass substrates can be viewed on viracon.com.

Complete flexibility – specify VRE-4725 on any of your preferred glass substrates.

Greater design options – combine VRE-4725 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® and UltraClear® are registered trademarks of Guardian Industries.
Optiwhite™ is a trademark of Pilkington.

Solarblue®, Pacifica® and Optigray® are registered trademarks of Vitro.



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