



VUE-30

MEETING TOMORROW'S ENERGY CODES TODAY.

In today's tightening energy code environment we have been challenged by designers and developers to offer a low-emissivity coating with exceptional performance – a Solar Heat Gain Coefficient (SHGC) of less than .20. Introducing Viracon VUE-30, our newest high-performance coated glass.

With its high levels of transparency Viracon's newest coating offers you the opportunity to maximize your window-to-wall ratio while maintaining performance that exceeds current domestic energy code requirements. Viracon VUE-30 provides natural daylight while reducing potential glare; balancing light with energy savings and low U-V transmittance.

VUE-30 has superior solar performance with a Solar Heat Gain Coefficient (SHGC) of .18 and Visible Light Transmittance (VLT) of 31% on clear glass resulting in an LSG of 1.72. VUE-30's solar performance is complimented by a transparent appearance that designers have been asking for.



VUE-30 KEY BENEFITS:

- + Provides a Solar Heat Gain Coefficient (SHGC) of less than .20
- + Superior Light to Solar Gain (LSG) Ratio – balancing solar performance with a visible light transmittance of 31% on clear glass
- + Exceeds the standard for sustainable design based on ASHRAE 90.1 requirements



VE1-2M
SHGC 0.38
VLT 70%



VNE1-63
SHGC 0.29
VLT 62%



VUE1-50
SHGC 0.25
VLT 48%



VUE1-40
SHGC 0.22
VLT 40%



VUE1-30
SHGC 0.18
VLT 31%

► The images above are viewed from the exterior and are provided as a reference for the visual aesthetics of various Viracon coatings. Sky conditions, viewing angle and other factors can influence perceived color. Viracon recommends viewing actual glass samples prior to final product selection. Viracon recommends viewing actual glass samples prior to final product selection.

SOLAR OPTICAL PROPERTIES AND THERMAL CHARACTERISTICS (AIR)

(1" OA) - 1/4" (6mm) VUE-30 on designated substrate - 1/2" (13.2mm) Airspace - 1/4" (6mm) Clear (or Low-Iron)

| Product | Transmittance | | | Reflectance | | | U-Value | | | Shading Coefficient | Relative Heat Gain | SHGC | LSG | European U-Value |
|----------|---------------|-------|-----|-------------|----------|-------|---------|--------|------|---------------------|--------------------|------|-----|------------------|
| | Visible | Solar | U-V | Exterior | Interior | Solar | Winter | Summer | | | | | | |
| VUE1-30 | 31% | 12% | 3% | 19% | 20% | 27% | 0.29 | 0.26 | 0.20 | 44 | 0.18 | 1.72 | 1.5 | |
| VUE2-30 | 26% | 9% | 1% | 15% | 20% | 11% | 0.29 | 0.26 | 0.19 | 41 | 0.16 | 1.63 | 1.5 | |
| VUE3-30 | 15% | 6% | 1% | 8% | 20% | 12% | 0.29 | 0.26 | 0.15 | 35 | 0.13 | 1.15 | 1.5 | |
| VUE4-30 | 18% | 7% | 1% | 10% | 20% | 15% | 0.29 | 0.26 | 0.16 | 36 | 0.14 | 1.29 | 1.5 | |
| VUE6-30 | 26% | 10% | 2% | 15% | 20% | 12% | 0.29 | 0.26 | 0.19 | 41 | 0.16 | 1.63 | 1.5 | |
| VUE19-30 | 22% | 9% | 2% | 12% | 20% | 15% | 0.29 | 0.26 | 0.18 | 39 | 0.15 | 1.47 | 1.5 | |
| VUE24-30 | 32% | 14% | 4% | 20% | 21% | 36% | 0.29 | 0.26 | 0.20 | 45 | 0.18 | 1.78 | 1.5 | |
| VUE26-30 | 20% | 8% | 2% | 11% | 20% | 12% | 0.29 | 0.26 | 0.17 | 38 | 0.15 | 1.33 | 1.5 | |

SOLAR OPTICAL PROPERTIES AND THERMAL CHARACTERISTICS (ARGON)

(1" OA) - 1/4" (6mm) VUE-30 on designated substrate - 1/2" (13.2mm) Airspace with Argon - 1/4" (6mm) Clear (or Low-Iron)

| Product | Transmittance | | | Reflectance | | | U-Value | | | Shading Coefficient | Relative Heat Gain | SHGC | LSG | European U-Value* |
|----------|---------------|-------|-----|-------------|----------|-------|---------|--------|------|---------------------|--------------------|------|-----|-------------------|
| | Visible | Solar | U-V | Exterior | Interior | Solar | Winter | Summer | | | | | | |
| VUE1-30 | 31% | 12% | 3% | 19% | 20% | 27% | 0.25 | 0.20 | 0.19 | 42 | 0.17 | 1.82 | 1.2 | |
| VUE2-30 | 26% | 9% | 1% | 15% | 20% | 11% | 0.25 | 0.20 | 0.17 | 38 | 0.15 | 1.73 | 1.2 | |
| VUE3-30 | 15% | 6% | 1% | 8% | 20% | 12% | 0.25 | 0.20 | 0.14 | 31 | 0.12 | 1.25 | 1.2 | |
| VUE4-30 | 18% | 7% | 1% | 10% | 20% | 15% | 0.25 | 0.20 | 0.15 | 33 | 0.13 | 1.38 | 1.2 | |
| VUE6-30 | 26% | 10% | 2% | 15% | 20% | 12% | 0.25 | 0.20 | 0.18 | 38 | 0.15 | 1.73 | 1.2 | |
| VUE19-30 | 22% | 9% | 2% | 12% | 20% | 15% | 0.25 | 0.20 | 0.16 | 36 | 0.14 | 1.57 | 1.2 | |
| VUE24-30 | 32% | 14% | 4% | 20% | 21% | 36% | 0.24 | 0.20 | 0.20 | 42 | 0.17 | 1.88 | 1.2 | |
| VUE26-30 | 20% | 8% | 2% | 11% | 20% | 12% | 0.25 | 0.20 | 0.16 | 35 | 0.14 | 1.43 | 1.2 | |

► * European U-Value only with 12mm AS

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 5.2/6.3 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" (13mm) air space. Viracon VUE is applied to the second (#2) surface. If Optiwhite™ (#24) glass is used, both plies of the unit are the Optiwhite substrate.
2. If VUE is applied to tinted glass, the glass must be heat treated.
3. If VUE is applied to clear glass, contact Viracon's Technical Services Department to determine the possibility of using annealed glass.
4. Available in maximum dimensions 96" x 144" (2134mm x 3658mm). Note: The maximum size for annealed glass under any condition is 50 sq ft (4.65 sq m). Maximum size for heat treated glass under any condition is 65 sq ft (6.04 sq m).

VUE Codes: Example = VUE1-30

Outboard Glass Substrate Color Codes = 1-Clear, 2-Green, 3-Gray, 4-Bronze, 6-Blue-Green, 19-Guardian CrystalGray™, 24-Optiwhite™, 26-Solarblue™.

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

VUE offers more - low Solar Heat Gain Coefficient (SHGC), low reflectance and low U-V transmittance.

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

Greater design options - combine VUE on the same surface as silk-screen patterns.

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 registered trademark of Guardian Industries.
Optiwhite is a registered trademark of Pilkington.
Solarblue is a registered trademark of PPG Industries, Inc.



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