



Architectural Technical Applications Center

Laminated Glass with Vanceva #2232 interlayer

Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in Optics and Window 5.2 using standard NFRC/ASHRAE conditions.

| Configuration: | | | | |
|--|-------|---|------|------|
| 1/8 inch (3 mm) Clear Glass - Vanceva #2232 ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass | | | | |
| Celestial Spa | | | | |
| Optical (%) and Thermal Properties | | | US | SI |
| Solar Transmittance % | 0.54 | U factor Btu/hr-ft ² -F (W/m ² -K) | 0.98 | 5.57 |
| Reflectance Solar (front) | 0.06 | Shading Coefficient | 0.76 | 0.76 |
| Reflectance Solar (back) | 0.06 | Solar Heat Gain Coefficient (SHGC; g) | 0.66 | 0.66 |
| Visible Light Transmittance % | 0.55 | Relative Heat Gain Btu/hr-ft ² (W/m ²) | 165 | 520 |
| Visible Reflectance (front) % | 0.06 | GST Outboard -0.4°F (-18°C) | 13 | -11 |
| Visible Reflectance (back) % | 0.06 | GST Inboard 69.8°F (21°C) | 18 | -8 |
| Absorptance (Solar) | 0.40 | GST Outboard 89.6°F (32°C) | 105 | 41 |
| Tdw-K | 0.22 | GST Inboard 75.2°F (24°C) | 105 | 41 |
| Tdw-ISO | 0.45 | | | |
| Tuv | <0.01 | | | |

| Color Properties | Dom. WL | Purity | L* | a* | b* |
|---------------------------------------|---------|--------|-------|--------|--------|
| Reflectance | 0.48 | 14.43 | 29.57 | -5.58 | -4.27 |
| Transmittance | 0.48 | 25.00 | 79.68 | -25.80 | -13.10 |
| Color Rendering Index (Transmittance) | | 63.79 | | | |
| R (Transmittance) | | 118 | | | |
| G (Transmittance) | | 212 | | | |
| B (Transmittance) | | 219 | | | |

Data reported in US standard units with metric units in parentheses.

For layering purposes this interlayer color may be referenced as Vanceva® Color System #2232.

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