



| Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; interior lite clear unless otherwise noted | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------|-----------|----------------------|-----------------------------------|----------------------|---------------------------------|------------------|-------------------------------|------------------------------------|--------------------------------------------|----------------------------------------|
| Glass Type | | Transmittance ² | | | Exterior Reflectance ² | | U-Value ³ (Imperial) | | European U-Value ⁴ | Shading Coeffi- cient ⁵ | Solar Heat Gain Coeffi- cient ⁶ | Light to Solar Gain (LSG) ⁷ |
| Outdoor Lite: Coating if Any (Surface) Glass | + Indoor Lite: Coating if Any (Surface) Glass | Ultra- violet % | Visible % | Total Solar Energy % | Visible Light % | Total Solar Energy % | Winter Night- time | Summer Day- time | | | | |
| Coated | | | | | | | | | | | | |
| SOLARBAN® 70XL Solar Control Low-E Glass^{††} | | | | | | | | | | | | |
| SOLARBAN 70XL (2) STARPHIRE + Clear | | 6 | 64 | 25 | 12 | 52 | 0.28 | 0.26 | 1.50 | 0.32 | 0.27 | 2.37 |
| SOLARBAN 70XL (2) SOLEXIA + Clear | | 3 | 55 | 19 | 10 | 12 | 0.28 | 0.26 | 1.50 | 0.29 | 0.25 | 2.18 |
| SOLARBAN 70XL (2) ATLANTICA + Clear | | 2 | 48 | 16 | 9 | 8 | 0.28 | 0.26 | 1.50 | 0.26 | 0.23 | 2.07 |
| SOLARBAN 70XL (2) CARIBIA + Clear | | 2 | 48 | 16 | 9 | 7 | 0.28 | 0.26 | 1.50 | 0.27 | 0.23 | 2.07 |
| SOLARBAN 70XL (2) AZURIA + Clear | | 4 | 48 | 17 | 9 | 7 | 0.28 | 0.26 | 1.50 | 0.27 | 0.23 | 2.09 |
| SOLARBAN 70XL (2) SOLARBRONZE + Clear | | 2 | 38 | 14 | 7 | 19 | 0.28 | 0.26 | 1.50 | 0.23 | 0.20 | 1.88 |
| SOLARBAN 70XL (2) SOLARGRAY + Clear | | 2 | 31 | 12 | 7 | 15 | 0.28 | 0.26 | 1.50 | 0.22 | 0.19 | 1.65 |
| SOLEXIA + SOLARBAN 70XL (3) STARPHIRE | | 3 | 56 | 20 | 11 | 13 | 0.28 | 0.26 | 1.50 | 0.37 | 0.32 | 1.74 |
| ATLANTICA + SOLARBAN 70XL (3) STARPHIRE | | 2 | 49 | 17 | 10 | 8 | 0.28 | 0.26 | 1.50 | 0.32 | 0.28 | 1.74 |
| CARIBIA + SOLARBAN 70XL (3) STARPHIRE | | 2 | 49 | 17 | 9 | 8 | 0.28 | 0.26 | 1.50 | 0.32 | 0.28 | 1.75 |
| AZURIA + SOLARBAN 70XL (3) STARPHIRE | | 4 | 49 | 17 | 10 | 8 | 0.28 | 0.26 | 1.50 | 0.33 | 0.29 | 1.70 |
| Bronze + SOLARBAN 70XL (3) STARPHIRE | | 3 | 38 | 15 | 8 | 20 | 0.28 | 0.26 | 1.50 | 0.30 | 0.26 | 1.48 |
| Gray + SOLARBAN 70XL (3) STARPHIRE | | 2 | 32 | 13 | 7 | 15 | 0.28 | 0.26 | 1.50 | 0.27 | 0.24 | 1.34 |
| OPTIGRAY 23 + SOLARBAN 70XL (3) STARPHIRE | | 1 | 17 | 7 | 5 | 7 | 0.28 | 0.26 | 1.50 | 0.19 | 0.16 | 1.04 |
| GRAYLITE + SOLARBAN 70XL (3) STARPHIRE | | 1 | 10 | 5 | 5 | 11 | 0.28 | 0.26 | 1.50 | 0.16 | 0.14 | 0.71 |
| VISTACOO™ Subtly Reflective Glass | | | | | | | | | | | | |
| VISTACOO (2) AZURIA + Clear | | 29 | 47 | 22 | 21 | 11 | 0.47 | 0.50 | 2.81 | 0.39 | 0.34 | 1.39 |
| VISTACOO (2) CARIBIA + Clear | | 16 | 47 | 22 | 21 | 10 | 0.47 | 0.50 | 2.81 | 0.39 | 0.34 | 1.38 |
| VISTACOO (2) SOLARGRAY + Clear | | 17 | 31 | 28 | 17 | 9 | 0.47 | 0.50 | 2.81 | 0.47 | 0.40 | 0.77 |
| SOLARCOOL® Glass | | | | | | | | | | | | |
| SOLARCOOL (2) SOLEXIA + Clear | | 7 | 27 | 19 | 24 | 12 | 0.48 | 0.50 | 2.82 | 0.36 | 0.31 | 0.87 |
| SOLARCOOL (2) CARIBIA + Clear | | 6 | 24 | 12 | 19 | 9 | 0.48 | 0.50 | 2.82 | 0.30 | 0.25 | 0.94 |
| SOLARCOOL (2) AZURIA + Clear | | 10 | 24 | 12 | 20 | 10 | 0.48 | 0.50 | 2.82 | 0.29 | 0.25 | 0.95 |
| SOLARCOOL (2) Bronze + Clear | | 6 | 19 | 21 | 14 | 12 | 0.48 | 0.50 | 2.82 | 0.40 | 0.34 | 0.55 |
| SOLARCOOL (2) Gray + Clear | | 6 | 16 | 18 | 11 | 10 | 0.48 | 0.50 | 2.82 | 0.36 | 0.31 | 0.50 |
| SOLARCOOL (2) GRAYLITE + Clear | | 2 | 5 | 12 | 5 | 6 | 0.48 | 0.50 | 2.82 | 0.31 | 0.26 | 0.18 |
| VISTACOO™ and SOLARCOOL® with SUNGATE® 500 Low-E (3) | | | | | | | | | | | | |
| VISTACOO (2) AZURIA + SUNGATE 500 (3) Clear | | 24 | 44 | 19 | 22 | 11 | 0.35 | 0.35 | 1.96 | 0.34 | 0.29 | 1.53 |
| VISTACOO (2) CARIBIA + SUNGATE 500 (3) Clear | | 14 | 44 | 19 | 22 | 11 | 0.35 | 0.35 | 1.96 | 0.34 | 0.29 | 1.51 |
| VISTACOO (2) SOLARGRAY + SUNGATE 500 (3) Clear | | 14 | 29 | 23 | 12 | 10 | 0.35 | 0.35 | 1.96 | 0.41 | 0.35 | 0.83 |
| SOLARCOOL (2) SOLEXIA + SUNGATE 500 (3) Clear | | 6 | 25 | 15 | 24 | 13 | 0.35 | 0.35 | 1.96 | 0.31 | 0.26 | 0.98 |
| SOLARCOOL (2) CARIBIA + SUNGATE 500 (3) Clear | | 5 | 22 | 10 | 19 | 10 | 0.35 | 0.35 | 1.96 | 0.24 | 0.20 | 1.11 |
| SOLARCOOL (2) AZURIA + SUNGATE 500 (3) Clear | | 8 | 22 | 10 | 20 | 10 | 0.35 | 0.35 | 1.96 | 0.23 | 0.20 | 1.11 |
| SOLARCOOL (2) Bronze + SUNGATE 500 (3) Clear | | 5 | 18 | 17 | 14 | 13 | 0.35 | 0.35 | 1.96 | 0.34 | 0.29 | 0.61 |
| SOLARCOOL (2) Gray + SUNGATE 500 (3) Clear | | 5 | 15 | 14 | 11 | 10 | 0.35 | 0.35 | 1.96 | 0.30 | 0.26 | 0.56 |
| SOLARCOOL (2) GRAYLITE + SUNGATE 500 (3) Clear | | 1 | 5 | 9 | 5 | 7 | 0.35 | 0.35 | 1.96 | 0.25 | 0.21 | 0.21 |
| VISTACOO™ and SOLARCOOL® with SOLARBAN® 60 Solar Control Low-E (3) | | | | | | | | | | | | |
| VISTACOO (2) AZURIA + SOLARBAN 60 (3) Clear | | 11 | 42 | 16 | 20 | 11 | 0.29 | 0.27 | 1.55 | 0.30 | 0.26 | 1.61 |
| VISTACOO (2) CARIBIA + SOLARBAN 60 (3) Clear | | 7 | 42 | 16 | 20 | 11 | 0.29 | 0.27 | 1.55 | 0.29 | 0.25 | 1.66 |
| VISTACOO (2) SOLARGRAY + SOLARBAN 60 (3) Clear | | 7 | 27 | 14 | 11 | 15 | 0.29 | 0.27 | 1.55 | 0.28 | 0.24 | 1.13 |
| SOLARCOOL (2) SOLEXIA + SOLARBAN 60 (3) Clear | | 3 | 24 | 10 | 24 | 15 | 0.29 | 0.27 | 1.55 | 0.22 | 0.19 | 1.26 |
| SOLARCOOL (2) CARIBIA + SOLARBAN 60 (3) Clear | | 2 | 21 | 8 | 19 | 10 | 0.29 | 0.27 | 1.55 | 0.19 | 0.16 | 1.30 |
| SOLARCOOL (2) AZURIA + SOLARBAN 60 (3) Clear | | 4 | 21 | 8 | 19 | 10 | 0.29 | 0.27 | 1.55 | 0.19 | 0.16 | 1.31 |
| SOLARCOOL (2) Bronze + SOLARBAN 60 (3) Clear | | 3 | 17 | 9 | 14 | 18 | 0.29 | 0.27 | 1.55 | 0.21 | 0.18 | 0.92 |
| SOLARCOOL (2) Gray + SOLARBAN 60 (3) Clear | | 2 | 14 | 7 | 11 | 14 | 0.29 | 0.27 | 1.55 | 0.19 | 0.16 | 0.86 |
| SOLARCOOL (2) GRAYLITE + SOLARBAN 60 (3) Clear | | 1 | 4 | 3 | 5 | 10 | 0.29 | 0.27 | 1.55 | 0.14 | 0.12 | 0.36 |
| VISTACOO™ Subtly Reflective, Color-Enriched Glass with SOLARBAN® z50 Solar Control Low-E | | | | | | | | | | | | |
| VISTACOO (2) AZURIA + SOLARBAN z50 (3) OPTIBLUE | | 9 | 30 | 12 | 20 | 11 | 0.29 | 0.27 | 1.55 | 0.29 | 0.25 | 1.20 |
| VISTACOO (2) CARIBIA + SOLARBAN z50 (3) OPTIBLUE | | 5 | 30 | 12 | 20 | 11 | 0.29 | 0.27 | 1.55 | 0.29 | 0.25 | 1.20 |
| VISTACOO (2) SOLARGRAY + SOLARBAN z50 (3) OPTIBLUE | | 5 | 20 | 11 | 11 | 15 | 0.29 | 0.27 | 1.55 | 0.27 | 0.24 | 0.82 |
| VISTACOO™ and SOLARCOOL® with SOLARBAN® 70XL Solar Control Low-E (3)^{††} | | | | | | | | | | | | |
| VISTACOO (2) AZURIA + SOLARBAN 70XL (3) STARPHIRE | | 4 | 38 | 14 | 21 | 12 | 0.28 | 0.26 | 1.50 | 0.27 | 0.24 | 1.59 |
| VISTACOO (2) CARIBIA + SOLARBAN 70XL (3) STARPHIRE | | 2 | 38 | 13 | 20 | 11 | 0.28 | 0.26 | 1.50 | 0.27 | 0.23 | 1.65 |
| VISTACOO (2) SOLARGRAY + SOLARBAN 70XL (3) STARPHIRE | | 2 | 25 | 10 | 11 | 17 | 0.28 | 0.26 | 1.50 | 0.23 | 0.20 | 1.24 |
| SOLARCOOL (2) SOLEXIA + SOLARBAN 70XL (3) STARPHIRE | | 1 | 22 | 8 | 24 | 16 | 0.28 | 0.26 | 1.50 | 0.20 | 0.17 | 1.28 |
| SOLARCOOL (2) CARIBIA + SOLARBAN 70XL (3) STARPHIRE | | 1 | 19 | 6 | 19 | 10 | 0.28 | 0.26 | 1.50 | 0.18 | 0.15 | 1.27 |
| SOLARCOOL (2) AZURIA + SOLARBAN 70XL (3) STARPHIRE | | 1 | 19 | 7 | 19 | 10 | 0.28 | 0.26 | 1.50 | 0.18 | 0.15 | 1.27 |
| SOLARCOOL (2) Bronze + SOLARBAN 70XL (3) STARPHIRE | | 1 | 15 | 6 | 14 | 19 | 0.28 | 0.26 | 1.50 | 0.17 | 0.15 | 1.01 |
| SOLARCOOL (2) Gray + SOLARBAN 70XL (3) STARPHIRE | | 1 | 13 | 5 | 11 | 15 | 0.28 | 0.26 | 1.50 | 0.16 | 0.14 | 0.89 |
| SOLARCOOL (2) GRAYLITE + SOLARBAN 70XL (3) STARPHIRE | | < 1 | 4 | 2 | 5 | 10 | 0.28 | 0.26 | 1.50 | 0.12 | 0.10 | 0.39 |

Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; interior lite clear unless otherwise noted

| Outdoor Lite: Coating if Any (Surface) Glass + | Glass Type | Indoor Lite: Coating if Any (Surface) Glass | Transmittance ² | | | Exterior Reflectance ² | | U-Value ³ (Imperial) | | European U-Value ⁴ | Shading Coefficient ⁵ | Solar Heat Gain Coefficient ⁶ | Light to Solar Gain (LSG) ⁷ |
|-------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|-----------|----------------------|-----------------------------------|----------------------|---------------------------------|-----------------|-------------------------------|----------------------------------|------------------------------------------|----------------------------------------|
| | | | Ultra-violet % | Visible % | Total Solar Energy % | Visible Light % | Total Solar Energy % | Winter Night-time | Summer Day-time | | | | |
| Uncoated | | | | | | | | | | | | | |
| | Clear Glass + Clear | | 50 | 79 | 61 | 15 | 12 | 0.47 | 0.50 | 2.81 | 0.81 | 0.70 | 1.13 |
| | STARPHIRE® + STARPHIRE | | 77 | 84 | 80 | 15 | 14 | 0.47 | 0.50 | 2.81 | 0.94 | 0.82 | 1.02 |
| | SOLEXIA™ + Clear | | 25 | 69 | 39 | 13 | 8 | 0.47 | 0.50 | 2.81 | 0.57 | 0.49 | 1.41 |
| | ATLANTICA™ + Clear | | 13 | 60 | 29 | 11 | 7 | 0.47 | 0.50 | 2.81 | 0.47 | 0.40 | 1.50 |
| | CARIBIA® + Clear | | 20 | 60 | 28 | 11 | 7 | 0.47 | 0.50 | 2.81 | 0.45 | 0.39 | 1.55 |
| | AZURIA™ + Clear | | 34 | 61 | 28 | 11 | 7 | 0.47 | 0.50 | 2.81 | 0.45 | 0.39 | 1.56 |
| | SOLARBRONZE® + Clear | | 21 | 47 | 39 | 8 | 7 | 0.47 | 0.50 | 2.81 | 0.59 | 0.51 | 0.93 |
| | SOLARGRAY® + Clear | | 20 | 40 | 33 | 7 | 7 | 0.47 | 0.50 | 2.81 | 0.53 | 0.45 | 0.88 |
| | OPTIGRAY® 23 + Clear | | 6 | 21 | 15 | 6 | 5 | 0.47 | 0.50 | 2.81 | 0.34 | 0.29 | 0.71 |
| | GRAYLITE® + Clear | | 6 | 12 | 19 | 5 | 5 | 0.47 | 0.50 | 2.81 | 0.39 | 0.34 | 0.36 |
| SUNGATE® 500 Low-E Glass | | | | | | | | | | | | | |
| | SUNGATE 500 (2) + Clear | | 42 | 74 | 52 | 17 | 14 | 0.35 | 0.35 | 1.96 | 0.71 | 0.62 | 1.19 |
| | SOLEXIA + SUNGATE 500 (3) Clear | | 21 | 64 | 33 | 14 | 9 | 0.35 | 0.35 | 1.96 | 0.51 | 0.44 | 1.45 |
| | ATLANTICA + SUNGATE 500 (3) Clear | | 11 | 56 | 25 | 12 | 7 | 0.35 | 0.35 | 1.96 | 0.41 | 0.35 | 1.60 |
| | CARIBIA + SUNGATE 500 (3) Clear | | 17 | 56 | 24 | 12 | 7 | 0.35 | 0.35 | 1.96 | 0.40 | 0.34 | 1.65 |
| | AZURIA + SUNGATE 500 (3) Clear | | 29 | 57 | 24 | 12 | 7 | 0.35 | 0.35 | 1.96 | 0.40 | 0.34 | 1.66 |
| | Bronze + SUNGATE 500 (3) Clear | | 18 | 44 | 33 | 9 | 9 | 0.35 | 0.35 | 1.96 | 0.53 | 0.46 | 0.96 |
| | Gray + SUNGATE 500 (3) Clear | | 17 | 37 | 28 | 8 | 8 | 0.35 | 0.35 | 1.96 | 0.47 | 0.40 | 0.92 |
| | OPTIGRAY 23 + SUNGATE 500 (3) Clear | | 6 | 19 | 13 | 6 | 6 | 0.35 | 0.35 | 1.96 | 0.28 | 0.24 | 0.80 |
| | GRAYLITE + SUNGATE 500 (3) Clear | | 5 | 11 | 16 | 5 | 6 | 0.35 | 0.35 | 1.96 | 0.33 | 0.28 | 0.41 |
| SOLARBAN® 60 Solar Control Low-E Glass | | | | | | | | | | | | | |
| | SOLARBAN 60 (2) STARPHIRE + STARPHIRE | | 25 | 74 | 38 | 11 | 42 | 0.29 | 0.27 | 1.55 | 0.46 | 0.40 | 1.85 |
| | SOLARBAN 60 (2) Clear + Clear | | 19 | 70 | 33 | 11 | 29 | 0.29 | 0.27 | 1.55 | 0.44 | 0.38 | 1.85 |
| | SOLARBAN 60 (2) ATLANTICA + Clear | | 5 | 54 | 20 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.31 | 0.27 | 1.98 |
| | SOLARBAN 60 (2) AZURIA + Clear | | 13 | 54 | 21 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.32 | 0.28 | 1.93 |
| | SOLARBAN 60 (2) CARIBIA + Clear | | 8 | 54 | 20 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.31 | 0.27 | 1.99 |
| | SOLARBAN 60 (2) SOLEXIA + Clear | | 10 | 61 | 25 | 10 | 11 | 0.29 | 0.27 | 1.55 | 0.36 | 0.32 | 1.92 |
| | SOLARBAN 60 (2) SOLARBRONZE + Clear | | 8 | 42 | 20 | 7 | 16 | 0.29 | 0.27 | 1.55 | 0.31 | 0.27 | 1.56 |
| | SOLARBAN 60 (2) SOLARGRAY + Clear | | 8 | 35 | 17 | 6 | 12 | 0.29 | 0.27 | 1.55 | 0.28 | 0.24 | 1.47 |
| | SOLEXIA + SOLARBAN 60 (3) Clear | | 10 | 61 | 25 | 11 | 11 | 0.29 | 0.27 | 1.55 | 0.42 | 0.36 | 1.70 |
| | ATLANTICA + SOLARBAN 60 (3) Clear | | 5 | 53 | 20 | 9 | 7 | 0.29 | 0.27 | 1.55 | 0.35 | 0.30 | 1.78 |
| | CARIBIA + SOLARBAN 60 (3) Clear | | 8 | 54 | 20 | 9 | 7 | 0.29 | 0.27 | 1.55 | 0.35 | 0.31 | 1.74 |
| | AZURIA + SOLARBAN 60 (3) Clear | | 13 | 54 | 21 | 9 | 7 | 0.29 | 0.27 | 1.55 | 0.36 | 0.31 | 1.75 |
| | Bronze + SOLARBAN 60 (3) Clear | | 8 | 42 | 20 | 7 | 17 | 0.29 | 0.27 | 1.55 | 0.36 | 0.31 | 1.36 |
| | Gray + SOLARBAN 60 (3) Clear | | 8 | 35 | 17 | 7 | 13 | 0.29 | 0.27 | 1.55 | 0.32 | 0.28 | 1.26 |
| | OPTIGRAY 23 + SOLARBAN 60 (3) Clear | | 3 | 18 | 9 | 5 | 6 | 0.29 | 0.27 | 1.55 | 0.21 | 0.18 | 1.02 |
| | GRAYLITE + SOLARBAN 60 (3) Clear | | 2 | 11 | 7 | 5 | 10 | 0.29 | 0.27 | 1.55 | 0.20 | 0.17 | 0.64 |
| SOLARBAN® 80 Solar Control Low-E Glass | | | | | | | | | | | | | |
| | SOLARBAN 80 (2) Clear + Clear | | 13 | 48 | 20 | 33 | 38 | 0.29 | 0.27 | 1.52 | 0.28 | 0.24 | 1.98 |
| | SOLARBAN 80 (2) Clear + OPTIBLUE [†] | | 10 | 34 | 15 | 32 | 38 | 0.29 | 0.27 | 1.52 | 0.27 | 0.23 | 1.48 |
| | SOLARBAN 80 (2) OPTIBLUE + Clear | | 9 | 34 | 15 | 19 | 28 | 0.29 | 0.27 | 1.52 | 0.23 | 0.20 | 1.70 |
| | SOLARBAN 80 (2) OPTIBLUE + OPTIBLUE | | 7 | 25 | 11 | 19 | 28 | 0.29 | 0.27 | 1.52 | 0.23 | 0.20 | 1.23 |
| SOLARBAN® z50 Solar Control Low-E Glass^{††} | | | | | | | | | | | | | |
| | SOLARBAN z50 (2) OPTIBLUE + Clear | | 14 | 51 | 26 | 8 | 23 | 0.29 | 0.27 | 1.55 | 0.36 | 0.31 | 1.64 |
| | SOLARBAN z50 (2) OPTIBLUE + OPTIBLUE | | 11 | 37 | 20 | 7 | 23 | 0.29 | 0.27 | 1.55 | 0.35 | 0.31 | 1.18 |
| | AZURIA + SOLARBAN z50 (3) OPTIBLUE | | 10 | 39 | 16 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.35 | 0.30 | 1.31 |
| | ATLANTICA + SOLARBAN z50 (3) OPTIBLUE | | 4 | 39 | 15 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.34 | 0.30 | 1.28 |
| | CARIBIA + SOLARBAN z50 (3) OPTIBLUE | | 6 | 39 | 15 | 8 | 7 | 0.29 | 0.27 | 1.55 | 0.34 | 0.30 | 1.29 |
| | SOLEXIA + SOLARBAN z50 (3) OPTIBLUE | | 8 | 44 | 19 | 10 | 11 | 0.29 | 0.27 | 1.55 | 0.41 | 0.35 | 1.26 |
| | Bronze + SOLARBAN z50 (3) OPTIBLUE | | 7 | 30 | 16 | 7 | 17 | 0.29 | 0.27 | 1.55 | 0.35 | 0.31 | 0.98 |
| | Gray + SOLARBAN z50 (3) OPTIBLUE | | 6 | 25 | 14 | 6 | 13 | 0.29 | 0.27 | 1.55 | 0.32 | 0.28 | 0.91 |

* Performance data is based on representative samples of factory production. Actual values may vary slightly due to variations in the production process.

† Optiblue is a unique substrate by PPG designed specifically for Solarban z50. It can also be used for spandrel glass and as an interior lite for Solarban 80 glass.

†† Solarban 70XL requires the coating on Starphire glass.

- Figures may vary due to manufacturing tolerances. All tabulated data is based on NFRC methodology using the LBNL Window 5.2 software. Variations from previously published data are due to minor changes in the LBNL Window 5.2 software versus Version 4.1.
- Transmittance and Reflectance values are based on spectrophotometric measurements and energy distribution of solar radiation.
- U-Value is the overall coefficient of heat transmittance or heat flow measured in BTU/hr. • ft² • °F. Lower U-values indicate better insulating performance.
- European U-Value is the overall coefficient of heat transmittance or heat flow measured in Watts/m²•°C, and is calculated using WinDat WIS version 3.0.1 software.

- Shading Coefficient is the ratio of the total amount of solar energy that passes through a glass relative to 1/8-inch (3.0mm) thick clear glass under the same design conditions. It includes both solar energy transmitted directly plus any absorbed solar energy re-radiated and convected. Lower shading coefficient values indicate better performance in reducing solar heat gain. Note: Performance values were calculated using the LBNL Window 5.2 program using NFRC 100-2001 standard winter and summer design condition.
- Solar Heat Gain Coefficient (SHGC) represents the solar heat gain through the glass relative to the incident solar radiation. It is equal to 86% of the shading coefficient.
- Light to Solar Gain (LSG) ratio is the ratio of visible light transmittance to solar heat gain coefficient.

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