Vitro®
Architectural Glass

Formerly PPG Glass

# VITRO ARCHITECTURAL GLASS

## Comparisons for One-Inch Insulating Glass Units

## 1-Inch Insulating Glass Unit (IGU) Comparisons with Vitro Glass

| Insulating Glass Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Glass Type<br>Outdoor Lite: Coating if Any (Surface) Glass + Indoor Lite: Coating if Any (Surface) Glass | | Visible Light Transmittance (VLT)[2] | Visible Light Reflectance[2] | | (BTU/hr°ft²°°F) NFRC U-Value[3] | | Solar Heat Gain Coefficient (SHGC)[4] | Light to Solar Gain (LSG)[5] |
| | | | Exterior % | Interior % | Winter Nighttime | Winter Argon | | |
| **Uncoated** | | | | | | | | |
| | Clear Glass + Clear | 79 | 15 | 15 | 0.47 | 0.45 | 0.70 | 1.13 |
| | *Starphire®* + *Starphire®* | 84 | 15 | 15 | 0.47 | 0.45 | 0.82 | 1.02 |
| | *Acuity™* + *Acuity™* | 63 | 15 | 15 | 0.47 | 0.45 | 0.78 | 1.05 |
| | *Solexia®* + Clear | 69 | 13 | 15 | 0.47 | 0.45 | 0.50 | 1.38 |
| | *Atlantica®* + Clear | 60 | 11 | 14 | 0.47 | 0.45 | 0.41 | 1.46 |
| | *Azuria®* + Clear | 61 | 11 | 14 | 0.47 | 0.45 | 0.39 | 1.56 |
| | *Solarblue®* + Clear | 50 | 9 | 13 | 0.47 | 0.45 | 0.49 | 1.02 |
| | *Pacifica®* + Clear | 38 | 7 | 13 | 0.47 | 0.45 | 0.36 | 1.06 |
| | *Solarbronze®* + Clear | 47 | 8 | 13 | 0.47 | 0.45 | 0.51 | 0.92 |
| | *Optigray®* + Clear | 56 | 10 | 13 | 0.47 | 0.45 | 0.52 | 1.08 |
| | *Solargray®* + Clear | 40 | 7 | 13 | 0.47 | 0.45 | 0.46 | 0.87 |
| | *Graylite®* II + Clear | 8 | 4 | 12 | 0.47 | 0.45 | 0.22 | 0.36 |
| **Coated** | | | | | | | | |
| ***Sungate®* 400 Low-E Glass** | | | | | | | | |
| | *Sungate®* 400 (2) Clear + Clear | 76 | 14 | 14 | 0.32 | 0.28 | 0.60 | 1.27 |
| | *Sungate®* 400 (2) *Starphire®* + *Starphire®* | 80 | 14 | 14 | 0.32 | 0.28 | 0.68 | 1.18 |
| | Clear + *Sungate®* 400 (3) Clear | 76 | 14 | 14 | 0.32 | 0.28 | 0.63 | 1.21 |
| | *Solexia®* + *Sungate®* 400 (3) Clear | 66 | 11 | 13 | 0.32 | 0.28 | 0.44 | 1.50 |
| | *Atlantica®* + *Sungate®* 400 (3) Clear | 58 | 10 | 12 | 0.32 | 0.28 | 0.35 | 1.66 |
| | *Azuria®* + *Sungate®* 400 (3) Clear | 59 | 10 | 12 | 0.32 | 0.28 | 0.34 | 1.74 |
| | *Solarblue®* + *Sungate®* 400 (3) Clear | 48 | 8 | 12 | 0.32 | 0.28 | 0.42 | 1.14 |
| | *Pacifica®* + *Sungate®* 400 (3) Clear | 37 | 7 | 11 | 0.32 | 0.28 | 0.30 | 1.23 |
| | *Solarbronze®* + *Sungate®* 400 (3) Clear | 46 | 8 | 12 | 0.32 | 0.28 | 0.44 | 1.05 |
| | *Optigray®* + *Sungate®* 400 (3) Clear | 54 | 9 | 12 | 0.32 | 0.28 | 0.46 | 1.17 |
| | *Solargray®* + *Sungate®* 400 (3) Clear | 38 | 7 | 12 | 0.32 | 0.28 | 0.39 | 0.97 |
| | *Graylite®* II + *Sungate®* 400 (3) Clear | 8 | 4 | 11 | 0.32 | 0.28 | 0.15 | 0.53 |
| ***Solarban®* 60 Solar Control Low-E Glass** | | | | | | | | |
| | *Solarban®* 60 (2) Clear + Clear | 70 | 11 | 12 | 0.29 | 0.24 | 0.39 | 1.79 |
| | *Solarban®* 60 (2) *Starphire®* + *Starphire®* | 74 | 11 | 12 | 0.29 | 0.24 | 0.41 | 1.80 |
| | *Solarban® 60* (2) *Acuity™* + *Acuity™* | 73 | 11 | 12 | 0.29 | 0.24 | 0.41 | 1.78 |
| | *Solarban®* 60 (2) *Solexia®* + Clear | 61 | 9 | 12 | 0.29 | 0.24 | 0.32 | 1.91 |
| | *Solarban®* 60 (2) *Atlantica®* + Clear | 53 | 8 | 11 | 0.29 | 0.24 | 0.27 | 1.96 |
| | *Solarban®* 60 (2) *Azuria®* + Clear | 54 | 8 | 11 | 0.29 | 0.24 | 0.28 | 1.93 |
| | *Solarban®* 60 (2) *Solarblue®* + Clear | 45 | 7 | 11 | 0.29 | 0.24 | 0.28 | 1.61 |
| | *Solarban®* 60 (2) *Pacifica®* + Clear | 34 | 6 | 10 | 0.29 | 0.24 | 0.22 | 1.55 |
| | *Solarban®* 60 (2) *Solarbronze®* + Clear | 42 | 7 | 11 | 0.29 | 0.24 | 0.28 | 1.50 |
| | *Solarban®* 60 (2) *Optigray®* + Clear | 50 | 8 | 11 | 0.29 | 0.24 | 0.30 | 1.67 |
| | *Solarban®* 60 (2) *Solargray®* + Clear | 35 | 6 | 10 | 0.29 | 0.24 | 0.25 | 1.40 |
| | *Solexia®* + *Solarban®* 60 (3) Clear | 61 | 10 | 10 | 0.29 | 0.24 | 0.37 | 1.65 |
| | *Atlantica®* + *Solarban®* 60 (3) Clear | 53 | 9 | 10 | 0.29 | 0.24 | 0.31 | 1.71 |
| | *Azuria®* + *Solarban®* 60 (3) Clear | 54 | 9 | 10 | 0.29 | 0.24 | 0.31 | 1.74 |
| | *Solarblue®* + *Solarban®* 60 (3) Clear | 45 | 7 | 9 | 0.29 | 0.24 | 0.33 | 1.36 |
| | *Pacifica®* + *Solarban®* 60 (3) Clear | 34 | 6 | 9 | 0.29 | 0.24 | 0.25 | 1.36 |
| | *Solarbronze®* + *Solarban®* 60 (3) Clear | 42 | 7 | 9 | 0.29 | 0.24 | 0.32 | 1.31 |
| | *Optigray®* + *Solarban®* 60 (3) Clear | 50 | 8 | 9 | 0.29 | 0.24 | 0.35 | 1.43 |
| | *Solargray®* + *Solarban®* 60 (3) Clear | 35 | 7 | 9 | 0.29 | 0.24 | 0.29 | 1.21 |
| | *Graylite®* II + *Solarban®* 60 (3) Clear | 7 | 4 | 8 | 0.29 | 0.24 | 0.13 | 0.54 |
| ***Solarban®* 67 Solar Control Low-E Glass** | | | | | | | | |
| | *Solarban®* 67 (2) Clear + Clear | 54 | 19 | 16 | 0.29 | 0.24 | 0.29 | 1.86 |
| | *Solarban®* 67 (2) *Starphire®* + *Starphire®* | 57 | 20 | 16 | 0.29 | 0.24 | 0.30 | 1.90 |
| | *Solarban®* 67 (2) *Acuity™* + *Acuity™* | 56 | 19 | 16 | 0.29 | 0.24 | 0.30 | 1.87 |
| | *Solarban®* 67 (2) *Solexia®* + Clear | 47 | 16 | 16 | 0.29 | 0.24 | 0.25 | 1.88 |
| | *Solarban®* 67 (2) *Atlantica®* + Clear | 41 | 13 | 16 | 0.29 | 0.24 | 0.22 | 1.86 |

## 1-Inch Insulating Glass Unit (IGU) Comparisons with Vitro Glass

| Insulating Glass Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Glass Type: Outdoor Lite: Coating if Any (Surface) Glass + Indoor Lite: Coating if Any (Surface) Glass | Visible Light Transmittance (VLT)[2] | Visible Light Reflectance[2] | | (BTU/hr°ft²°°F) NFRC U-Value[3] | | Solar Heat Gain Coefficient (SHGC)[4] | Light to Solar Gain (LSG)[5] |
| | | Exterior % | Interior % | Winter Nighttime | Winter Argon | | |
| **Coated** | | | | | | | |
| ***Solarban*® 67 Solar Control Low-E Glass** (Continued) | | | | | | | |
| *Solarban*® 67 (2) *Azuria*® + Clear | 42 | 13 | 16 | 0.29 | 0.24 | 0.23 | 1.83 |
| *Solarban*® 67 (2) *Optiblue*® + Clear | 39 | 12 | 15 | 0.29 | 0.24 | 0.25 | 1.56 |
| *Solarban*® 67 (2) *Solarblue*® + Clear | 34 | 10 | 15 | 0.29 | 0.24 | 0.22 | 1.55 |
| *Solarban*® 67 (2) *Pacifica*® + Clear | 26 | 8 | 15 | 0.29 | 0.24 | 0.19 | 1.37 |
| *Solarban*® 67 (2) *Solarbronze*® + Clear | 32 | 10 | 15 | 0.29 | 0.24 | 0.22 | 1.45 |
| *Solarban*® 67 (2) *Optigray*® + Clear | 38 | 12 | 15 | 0.29 | 0.24 | 0.24 | 1.58 |
| *Solarban*® 67 (2) *Solargray*® + Clear | 27 | 8 | 15 | 0.29 | 0.24 | 0.20 | 1.35 |
| *Atlantica*® + *Solarban*® 67 (3) Clear | 41 | 11 | 18 | 0.29 | 0.24 | 0.29 | 1.41 |
| *Azuria*® + *Solarban*® 67 (3) Clear | 42 | 11 | 18 | 0.29 | 0.24 | 0.29 | 1.45 |
| *Solarblue*® + *Solarban*® 67 (3) Clear | 34 | 9 | 18 | 0.29 | 0.24 | 0.30 | 1.13 |
| *Pacifica*® + *Solarban*® 67 (3) Clear | 26 | 7 | 18 | 0.29 | 0.24 | 0.23 | 1.13 |
| *Solarbronze*® + *Solarban*® 67 (3) Clear | 32 | 9 | 18 | 0.29 | 0.24 | 0.29 | 1.10 |
| *Optigray*® + *Solarban*® 67 (3) Clear | 38 | 10 | 18 | 0.29 | 0.24 | 0.32 | 1.19 |
| *Solargray*® + *Solarban*® 67 (3) Clear | 27 | 8 | 18 | 0.29 | 0.24 | 0.26 | 1.04 |
| *Graylite*® II + *Solarban*® 67 (3) Clear | 5 | 4 | 18 | 0.29 | 0.24 | 0.12 | 0.42 |
| ***Solarban*® 70XL Solar Control Low-E Glass**† | | | | | | | |
| *Solarban*® 70XL (2) + Clear | 64 | 12 | 13 | 0.28 | 0.24 | 0.27 | 2.37 |
| *Solarban*® 70XL (2) *Solexia*® + Clear | 58 | 10 | 13 | 0.28 | 0.24 | 0.27 | 2.15 |
| *Solarban*® 70XL (2) *Atlantica*® + Clear | 51 | 9 | 12 | 0.28 | 0.24 | 0.24 | 2.13 |
| *Solarban*® 70XL (2) *Azuria*® + Clear | 52 | 9 | 12 | 0.28 | 0.24 | 0.25 | 2.08 |
| *Solarban*® 70XL (2) *Solarblue*® + Clear | 42 | 8 | 12 | 0.28 | 0.24 | 0.23 | 1.83 |
| *Solarban*® 70XL (2) *Pacifica*® + Clear | 32 | 6 | 12 | 0.28 | 0.24 | 0.19 | 1.68 |
| *Solarban*® 70XL (2) *Solarbronze*® + Clear | 40 | 7 | 12 | 0.28 | 0.24 | 0.21 | 1.90 |
| *Solarban*® 70XL (2) *Optigray*® + Clear | 47 | 8 | 12 | 0.28 | 0.24 | 0.24 | 1.96 |
| *Solarban*® 70XL (2) *Solargray*® + Clear | 34 | 6 | 12 | 0.28 | 0.24 | 0.20 | 1.70 |
| *Solexia*® + *Solarban*® 70XL (3) Clear | 56 | 11 | 12 | 0.28 | 0.24 | 0.32 | 1.75 |
| *Atlantica*® + *Solarban*® 70XL (3) Clear | 49 | 10 | 11 | 0.28 | 0.24 | 0.28 | 1.75 |
| *Azuria*® + *Solarban*® 70XL (3) Clear | 49 | 9 | 11 | 0.28 | 0.24 | 0.29 | 1.69 |
| *Solarblue*® + *Solarban*® 70XL (3) Clear | 40 | 8 | 11 | 0.28 | 0.24 | 0.27 | 1.48 |
| *Pacifica*® + *Solarban*® 70XL (3) Clear | 31 | 6 | 10 | 0.28 | 0.24 | 0.22 | 1.41 |
| *Solarbronze*® + *Solarban*® 70XL (3) Clear | 38 | 8 | 11 | 0.28 | 0.24 | 0.26 | 1.46 |
| *Optigray*® + *Solarban*® 70XL (3) Clear | 45 | 9 | 11 | 0.28 | 0.24 | 0.29 | 1.55 |
| *Solargray*® + *Solarban*® 70XL (3) Clear | 32 | 7 | 11 | 0.28 | 0.24 | 0.24 | 1.33 |
| *Graylite*® II + *Solarban*® 70XL (3) Clear | 6 | 4 | 10 | 0.28 | 0.24 | 0.11 | 0.55 |
| ***Solarban*® 72 Solar Control Low-E Glass** | | | | | | | |
| *Solarban*® 72 (2) *Starphire*® + *Starphire*® | 68 | 13 | 14 | 0.28 | 0.24 | 0.28 | 2.43 |
| *Solarban*® 72 (2) *Acuity*™ + *Acuity*™ | 67 | 13 | 14 | 0.29 | 0.24 | 0.28 | 2.39 |
| ***Solarban*® 90 Solar Control Low-E Glass** | | | | | | | |
| *Solarban*® 90 (2) Clear + Clear | 51 | 12 | 19 | 0.29 | 0.24 | 0.23 | 2.22 |
| *Solarban*® 90 (2) *Starphire*® + *Starphire*® | 54 | 13 | 20 | 0.29 | 0.24 | 0.23 | 2.35 |
| *Solarban*® 90 (2) *Acuity*™ + *Acuity*™ | 53 | 12 | 19 | 0.29 | 0.24 | 0.23 | 2.30 |
| *Solarban*® 90 (2) *Solexia*® + Clear | 44 | 10 | 19 | 0.29 | 0.24 | 0.22 | 2.00 |
| *Solarban*® 90 (2) *Atlantica*® + Clear | 39 | 9 | 19 | 0.29 | 0.24 | 0.20 | 1.95 |
| *Solarban*® 90 (2) *Azuria*® + Clear | 39 | 9 | 19 | 0.29 | 0.24 | 0.21 | 1.86 |
| *Solarban*® 90 (2) *Optiblue*® + Clear | 37 | 8 | 19 | 0.29 | 0.24 | 0.20 | 1.85 |
| *Solarban*® 90 (2) *Solarblue*® + Clear | 32 | 8 | 18 | 0.29 | 0.24 | 0.19 | 1.68 |
| *Solarban*® 90 (2) *Pacifica*® + Clear | 24 | 6 | 18 | 0.29 | 0.24 | 0.17 | 1.41 |
| *Solarban*® 90 (2) *Solarbronze*® + Clear | 31 | 7 | 18 | 0.29 | 0.24 | 0.18 | 1.72 |
| *Solarban*® 90 (2) *Optigray*® + Clear | 36 | 8 | 19 | 0.29 | 0.24 | 0.20 | 1.80 |
| *Solarban*® 90 (2) *Solargray*® + Clear | 26 | 6 | 18 | 0.29 | 0.24 | 0.17 | 1.53 |
| *Solexia*® + *Solarban*® 90 (3) Clear | 44 | 16 | 12 | 0.29 | 0.24 | 0.30 | 1.47 |
| *Atlantica*® + *Solarban*® 90 (3) Clear | 39 | 13 | 12 | 0.29 | 0.24 | 0.26 | 1.50 |
| *Azuria*® + *Solarban*® 90 (3) Clear | 39 | 13 | 12 | 0.29 | 0.24 | 0.27 | 1.44 |
| *Solarblue*® + *Solarban*® 90 (3) Clear | 32 | 10 | 11 | 0.29 | 0.24 | 0.25 | 1.28 |
| *Pacifica*® + *Solarban*® 90 (3) Clear | 24 | 8 | 11 | 0.29 | 0.24 | 0.21 | 1.14 |
| *Solarbronze*® + *Solarban*® 90 (3) Clear | 30 | 10 | 11 | 0.29 | 0.24 | 0.24 | 1.25 |
| *Optigray*® + *Solarban*® 90 (3) Clear | 36 | 12 | 11 | 0.29 | 0.24 | 0.27 | 1.33 |
| *Solargray*® + *Solarban*® 90 (3) Clear | 25 | 8 | 11 | 0.29 | 0.24 | 0.22 | 1.14 |
| *Graylite*® II + *Solarban*® 90 (3) Clear | 5 | 4 | 11 | 0.29 | 0.24 | 0.11 | 0.45 |

## 1-Inch Insulating Glass Unit (IGU) Comparisons with Vitro Glass

| Insulating Glass Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites | | | | | | | |
|---|---|---|---|---|---|---|---|
| Glass Type<br>Outdoor Lite: Coating if Any + Indoor Lite: Coating if Any (Surface) Glass | Visible Light Transmittance (VLT)[2] | Visible Light Reflectance[2] | | (BTU/hr°ft²°°F) NFRC U-Value[3] | | Solar Heat Gain Coefficient (SHGC)[4] | Light to Solar Gain (LSG)[5] |
| | | Exterior % | Interior % | Winter Nighttime | Winter Argon | | |
| **Coated** | | | | | | | |
| ***Solarban*® Z50 Solar Control Low-E Glass††** | | | | | | | |
| *Solarban*® z50 (2) *Optiblue*® + Clear | 51 | 8 | 11 | 0.29 | 0.24 | 0.32 | 1.59 |
| ***Solarban*® Z75 Solar Control Low-E Glass††** | | | | | | | |
| *Solarban*® z75 (2) *Optiblue*® + Clear | 48 | 9 | 12 | 0.28 | 0.24 | 0.24 | 2.00 |
| ***Solarban*® R100 Solar Control Low-E Glass** | | | | | | | |
| *Solarban*® R100 (2) Clear + Clear | 42 | 32 | 14 | 0.29 | 0.25 | 0.23 | 1.83 |
| *Solarban*® R100 (2) *Starphire*® + *Starphire*® | 44 | 33 | 14 | 0.29 | 0.25 | 0.23 | 1.91 |
| *Solarban*® R100 (2) *Acuity*™ + *Acuity*™ | 43 | 33 | 13 | 0.29 | 0.25 | 0.23 | 1.87 |
| *Solarban*® R100 (2) *Solexia*® + Clear | 36 | 25 | 13 | 0.29 | 0.25 | 0.21 | 1.71 |
| *Solarban*® R100 (2) *Atlantica*® + Clear | 32 | 20 | 13 | 0.29 | 0.25 | 0.19 | 1.68 |
| *Solarban*® R100 (2) *Azuria*® + Clear | 32 | 21 | 13 | 0.29 | 0.25 | 0.19 | 1.68 |
| *Solarban*® R100 (2) *Optiblue*® + Clear | 30 | 19 | 13 | 0.29 | 0.24 | 0.20 | 1.50 |
| *Solarban*® R100 (2) *Solarblue*® + Clear | 26 | 15 | 13 | 0.29 | 0.25 | 0.19 | 1.37 |
| *Solarban*® R100 (2) *Pacifica*® + Clear | 20 | 11 | 13 | 0.29 | 0.25 | 0.16 | 1.25 |
| *Solarban*® R100 (2) *Solarbronze*® + Clear | 25 | 15 | 13 | 0.29 | 0.25 | 0.18 | 1.39 |
| *Solarban*® R100 (2) *Optigray*® + Clear | 29 | 18 | 13 | 0.29 | 0.25 | 0.20 | 1.45 |
| *Solarban*® R100 (2) *Solargray*® + Clear | 21 | 12 | 13 | 0.29 | 0.25 | 0.17 | 1.24 |
| ***Vistacool*® Subtly Reflective Glass** | | | | | | | |
| *Vistacool*® (2) *Azuria*® + Clear | 47 | 21 | 32 | 0.47 | 0.45 | 0.34 | 1.38 |
| *Vistacool*® (2) *Pacifica*® + Clear | 29 | 11 | 31 | 0.47 | 0.45 | 0.32 | 0.91 |
| ***Solarcool*® Reflective Glass** | | | | | | | |
| *Solarcool*® (2) *Solexia*® + Clear | 27 | 24 | 38 | 0.47 | 0.45 | 0.31 | 0.87 |
| *Solarcool*® (2) *Azuria*® + Clear | 24 | 20 | 38 | 0.47 | 0.45 | 0.25 | 0.96 |
| *Solarcool*® (2) *Pacifica*® + Clear | 15 | 10 | 38 | 0.47 | 0.45 | 0.25 | 0.60 |
| *Solarcool*® (2) *Solarblue*® + Clear | 20 | 15 | 38 | 0.47 | 0.45 | 0.32 | 0.63 |
| *Solarcool*® (2) *Solarbronze*® + Clear | 19 | 14 | 38 | 0.47 | 0.45 | 0.34 | 0.56 |
| *Solarcool*® (2) *Solargray*® + Clear | 16 | 11 | 38 | 0.47 | 0.45 | 0.32 | 0.50 |
| ***Vistacool*® and *Solarcool*® with *Solarban*® 60 Solar Control Low-E (3)** | | | | | | | |
| *Vistacool*® (2) *Azuria*® + *Solarban*® 60 (3) Clear | 42 | 20 | 24 | 0.29 | 0.24 | 0.26 | 1.62 |
| *Vistacool*® (2) *Pacifica*® + *Solarban*® 60 (3) Clear | 26 | 11 | 23 | 0.29 | 0.24 | 0.21 | 1.24 |
| *Solarcool*® (2) *Azuria*® + *Solarban*® 60 (3) Clear | 21 | 19 | 29 | 0.29 | 0.24 | 0.17 | 1.24 |
| *Solarcool*® (2) *Solarblue*® + *Solarban*® 60 (3) Clear | 17 | 14 | 29 | 0.29 | 0.24 | 0.18 | 0.94 |
| *Solarcool*® (2) *Pacifica*® + *Solarban*® 60 (3) Clear | 13 | 10 | 29 | 0.29 | 0.24 | 0.15 | 0.87 |
| *Solarcool*® (2) *Solarbronze*® + *Solarban*® 60 (3) Clear | 17 | 14 | 29 | 0.29 | 0.24 | 0.18 | 0.94 |
| *Solarcool*® (2) *Solargray*® + *Solarban*® 60 (3) Clear | 14 | 11 | 29 | 0.29 | 0.24 | 0.17 | 0.82 |
| ***Vistacool*® and *Solarcool*® with *Solarban*® 70XL Solar Control Low-E (3)†** | | | | | | | |
| *Vistacool*® (2) *Azuria*® + *Solarban*® 70XL (3) | 38 | 21 | 23 | 0.28 | 0.24 | 0.24 | 1.58 |
| *Vistacool*® (2) *Pacifica*® + *Solarban*® 70XL (3) | 24 | 11 | 22 | 0.28 | 0.24 | 0.19 | 1.26 |
| *Solarcool*® (2) *Azuria*® + *Solarban*® 70XL (3) | 19 | 19 | 27 | 0.28 | 0.24 | 0.15 | 1.27 |
| *Solarcool*® (2) *Solarblue*® + *Solarban*® 70XL (3) | 16 | 14 | 27 | 0.28 | 0.24 | 0.15 | 1.07 |
| *Solarcool*® (2) *Pacifica*® + *Solarban*® 70XL (3) | 12 | 10 | 27 | 0.28 | 0.24 | 0.13 | 0.92 |
| *Solarcool*® (2) *Solarbronze*® + *Solarban*® 70XL (3) | 15 | 14 | 27 | 0.28 | 0.24 | 0.15 | 1.00 |
| *Solarcool*® (2) *Solargray*® + *Solarban*® 70XL (3) | 13 | 11 | 27 | 0.28 | 0.24 | 0.14 | 0.93 |

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit vitroglazings.com or request our Architectural Glass Catalog.

† *Solarban*® 70XL for annealed applications is applied to *Starphire*® glass; heat treated applications will require either clear or *Starphire*® glass depending on manufacturing process.

†† *Solarban*® 72 *Starphire*® data based on using *Starphire*® glass for both interior and exterior lites.

††† *Optiblue*® is a unique substrate by Vitro Architecutral Glass (formerly PPG glass) designed specifically for *Solarban*® z50 and *Solarban*® z75 glasses.

1. Data is based on center of glass performance of representative factory production samples. Actual values may vary due to the production process and manufacturing tolerances. All tabulated data is based on NFRC methodology using the LBNL Window 6.3 software. Variations from previously published data are due to minor changes in the LBNL Window 7.3 software versus Version 6.3.
2. Transmittance and Reflectance values based on spectrophotometric measurements and energy distribution of solar radiation.
3. 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.
4. 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.
5. Light to solar gain (LSG) ratio is the ratio of visible light transmittance to solar heat gain coefficient.



Vitro® Architectural Glass
Formerly PPG Glass