



Guardian SunGuard® – Insulating Glass Data

| Product | Substrate Outboard-Inboard | Appearance | Visible Light | | | | UV | SHGC | U-Value | Light to Solar Gain | SHGC | U-Value | Light to Solar Gain |
|---|-------------------------------|--------------|--------------------|-------------|------|-----------------------------|--------------------|------|---------|---------------------------|------|---------|---------------------------|
| | | | Transmittance % | Reflectance | | Color Rendering Index | Transmittance % | | | | | | |
| | | | | Out % | In % | | | | | | | | |
| Coating #2 surface – except Neutral 78/65 on #3 surface | | | | | | | Argon | | | Air | | | |
| SNX 62/27 | Guardian UltraClear® | Ultra Clear | 64 | 11 | 13 | 95.0 | 8 | 0.26 | 0.24 | 2.44 | 0.27 | 0.29 | 2.40 |
| | Clear-Clear | Clear | 62 | 11 | 12 | 93.0 | 6 | 0.26 | 0.24 | 2.36 | 0.27 | 0.29 | 2.31 |
| | Green-Clear | Green | 52 | 9 | 12 | 85.1 | 3 | 0.23 | 0.24 | 2.25 | 0.24 | 0.29 | 2.13 |
| | CrystalGray-Clear | Light Gray | 44 | 8 | 11 | 89.8 | 3 | 0.21 | 0.24 | 2.08 | 0.22 | 0.29 | 1.98 |
| | Gray-Clear | Gray | 31 | 6 | 11 | 90.7 | 3 | 0.17 | 0.24 | 1.83 | 0.18 | 0.29 | 1.71 |
| SNX 51/23 | Guardian UltraClear | Neutral Blue | 53 | 14 | 14 | 94.2 | 13 | 0.23 | 0.24 | 2.34 | 0.23 | 0.29 | 2.27 |
| | Clear-Clear | Neutral Blue | 51 | 14 | 14 | 91.9 | 10 | 0.23 | 0.24 | 2.26 | 0.23 | 0.29 | 2.18 |
| | Green-Clear | Blue-Green | 43 | 11 | 13 | 84.1 | 5 | 0.20 | 0.24 | 2.12 | 0.21 | 0.29 | 1.99 |
| | CrystalGray-Clear | Light Gray | 36 | 9 | 13 | 88.8 | 6 | 0.18 | 0.24 | 1.96 | 0.20 | 0.29 | 1.85 |
| | Gray-Clear | Gray | 26 | 7 | 13 | 89.8 | 5 | 0.15 | 0.24 | 1.70 | 0.16 | 0.29 | 1.57 |
| SNE 50/25 | Guardian UltraClear | Blue-Silver | 50 | 19 | 18 | 91.4 | 22 | 0.25 | 0.24 | 1.99 | 0.25 | 0.29 | 1.96 |
| | Clear-Clear | Blue-Silver | 48 | 19 | 18 | 88.9 | 17 | 0.25 | 0.24 | 1.95 | 0.25 | 0.29 | 1.90 |
| | CrystalGray-Clear | Blue-Gray | 34 | 12 | 17 | 86.0 | 9 | 0.20 | 0.24 | 1.71 | 0.21 | 0.29 | 1.62 |
| SN 68 | Guardian UltraClear | Ultra Clear | 71 | 11 | 13 | 97.9 | 40 | 0.39 | .245 | 1.82 | 0.39 | 0.29 | 1.80 |
| | Clear-Clear | Clear | 68 | 11 | 12 | 95.4 | 30 | 0.37 | .245 | 1.82 | 0.38 | 0.29 | 1.80 |
| | Green-Clear | Green | 57 | 9 | 12 | 86.9 | 13 | 0.29 | .245 | 1.99 | 0.30 | 0.29 | 1.92 |
| | CrystalGray-Clear | Light Gray | 48 | 8 | 11 | 92.1 | 17 | 0.29 | .245 | 1.69 | 0.30 | 0.29 | 1.64 |
| | Gray-Clear | Gray | 34 | 6 | 11 | 93.2 | 14 | 0.24 | .245 | 1.43 | 0.25 | 0.29 | 1.37 |
| SN 54 | Guardian UltraClear | Ultra Clear | 56 | 15 | 21 | 97.6 | 21 | 0.28 | 0.24 | 1.98 | 0.29 | 0.29 | 1.95 |
| | Clear-Clear | Clear | 54 | 14 | 20 | 96.3 | 16 | 0.28 | 0.24 | 1.95 | 0.28 | 0.29 | 1.91 |
| | Green-Clear | Green | 46 | 11 | 19 | 88.2 | 7 | 0.23 | 0.24 | 1.99 | 0.24 | 0.29 | 1.89 |
| | CrystalGray-Clear | Light Gray | 39 | 9 | 19 | 93.5 | 9 | 0.22 | 0.24 | 1.75 | 0.23 | 0.29 | 1.67 |
| | Gray-Clear | Gray | 27 | 7 | 19 | 94.3 | 7 | 0.18 | 0.24 | 1.49 | 0.20 | 0.29 | 1.40 |
| SNR 50 | Guardian UltraClear | Light Silver | 50 | 27 | 17 | 93.8 | 25 | 0.25 | 0.24 | 2.00 | 0.25 | 0.29 | 1.96 |
| | Clear-Clear | Light Silver | 48 | 26 | 17 | 91.3 | 19 | 0.25 | 0.24 | 1.96 | 0.25 | 0.29 | 1.91 |
| | CrystalGray-Clear | Silver Gray | 34 | 15 | 16 | 88.2 | 10 | 0.20 | 0.24 | 1.71 | 0.21 | 0.29 | 1.63 |
| SNR 43 | Guardian UltraClear | Light Silver | 45 | 28 | 14 | 93.5 | 24 | 0.22 | 0.24 | 1.99 | 0.23 | 0.29 | 1.96 |
| | Clear-Clear | Light Silver | 43 | 28 | 14 | 91.1 | 17 | 0.22 | 0.24 | 1.94 | 0.23 | 0.29 | 1.89 |
| | Green-Clear | Green | 36 | 21 | 14 | 83.0 | 8 | 0.19 | 0.24 | 1.89 | 0.20 | 0.29 | 1.78 |
| | CrystalGray-Clear | Silver Gray | 31 | 16 | 14 | 87.9 | 9 | 0.18 | 0.24 | 1.68 | 0.19 | 0.29 | 1.59 |
| | Gray-Clear | Silver Gray | 22 | 11 | 13 | 89.2 | 8 | 0.15 | 0.24 | 1.41 | 0.17 | 0.29 | 1.31 |
| SNR 35 | Guardian UltraClear | Light Silver | 34 | 36 | 20 | 92.1 | 15 | 0.16 | 0.24 | 2.09 | 0.17 | 0.29 | 2.03 |
| | Clear-Clear | Light Silver | 33 | 35 | 19 | 89.8 | 11 | 0.17 | 0.24 | 2.00 | 0.17 | 0.29 | 1.92 |
| | Green-Clear | Green | 28 | 26 | 19 | 81.9 | 10 | 0.15 | 0.24 | 1.80 | 0.17 | 0.29 | 1.67 |
| | CrystalGray-Clear | Silver Gray | 23 | 20 | 19 | 86.7 | 6 | 0.14 | 0.24 | 1.63 | 0.15 | 0.29 | 1.51 |
| NU 78/65(#3) | Guardian UltraClear | Ultra Clear | 81 | 13 | 13 | 99.5 | 54 | 0.73 | 0.27 | 1.12 | 0.72 | 0.31 | 1.12 |
| | Clear-Clear | Clear | 78 | 13 | 13 | 96.9 | 39 | 0.66 | 0.27 | 1.18 | 0.66 | 0.31 | 1.18 |

- All insulating glass configurations are 6 mm/12.7 mm spacer/6 mm:
- Configurations with Guardian UltraClear® low-iron glass contain Guardian UltraClear outboard & inboard.
- All other insulating glass configurations contain substrates as indicated.
- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated for center-of-glass only in accordance with LBNL Window 7 program.

- SNR 35, SNR 43, SNR 50 and IS 20 require heat-treatment.
- U-value calculated is winter nighttime.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- Guardian reserves the right to change product performance characteristics without notice or obligation.