

SUPERNEUTRAL SERIES

SNX 62/27, SNX 51/23, SN 68, SN 62, SN 54 & SNR 43

MORE NATURAL LIGHT. LESS HEAT GAIN. GREATER ENERGY SAVINGS.

SUNGUARD SUPERNEUTRAL 68

Project: University of Michigan
Cardiovascular Center



SNX 62/27

- High light transmission
- Neutral reflected & transmitted color
- SunGuard's highest light-to-solar-gain ratio: LSG 2.30
- Solar control: 0.27 SHGC

SNX 51/23

- Superior solar control: 0.23 SHGC
- Light blue outdoor appearance
- Meets the most stringent energy codes in North America

SuperNeutral 68

- Highest light transmission
- Neutral reflected & transmitted color
- Solar control: 0.38 SHGC

SuperNeutral 62

- High light transmission
- Neutral to slight blue reflected color
- Solar control: 0.31 SHGC

SuperNeutral 54

- Less interior glare
- Neutral outdoor appearance
- Best in class CRI (Color Rendering Index)
- Solar control: 0.28 SHGC

SNR 43

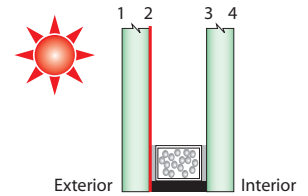
- Medium visible light transmission: 43%
- Light silver-blue exterior appearance
- Solar control: 0.23 SHGC

SuperNeutral products are available through independent Guardian Select Fabricators

To learn more, call us at **1-866-GuardSG (482-7374)** or visit us online **www.SunGuardGlass.com**

SUPERNEUTRAL® SERIES

INSULATING GLASS DATA



| Appearance | Product | Outboard Substrate | Inboard Substrate | Transmission | | | Reflectance | | | U-Value | | Relative Heat Gain | Shading Coefficient | Solar Heat Gain Coefficient | Light to Solar Gain (LSG) |
|---------------------|----------------|--------------------|-------------------|-----------------|----------------|----------------|---------------------|--------------------|----------------|--------------|------------|--------------------|---------------------|-----------------------------|---------------------------|
| | | | | Visible Light % | Ultra-violet % | Solar Energy % | Visible Light Out % | Visible Light In % | Solar Energy % | Winter Night | Summer Day | | | | |
| Ultra Clear | SNX 62/27 | UltraWhite | UltraWhite | 63 | 6 | 24 | 11 | 12 | 48 | 0.28 | 0.27 | 65 | 0.30 | 0.27 | 2.37 |
| Clear | | Clear | Clear | 62 | 6 | 23 | 11 | 12 | 39 | 0.28 | 0.27 | 65 | 0.31 | 0.27 | 2.30 |
| Green | | Green | ↓ | 52 | 3 | 18 | 9 | 11 | 11 | 0.28 | 0.27 | 59 | 0.28 | 0.25 | 2.13 |
| Dark Green | | TwilightGreen | ↓ | 46 | 2 | 16 | 8 | 11 | 8 | 0.28 | 0.27 | 54 | 0.25 | 0.22 | 2.07 |
| Light Gray | | CrystalGray | ↓ | 45 | 4 | 17 | 8 | 11 | 19 | 0.28 | 0.27 | 55 | 0.25 | 0.22 | 1.99 |
| Gray | Gray | ↓ | 30 | 3 | 12 | 6 | 10 | 19 | 0.28 | 0.27 | 44 | 0.20 | 0.18 | 1.68 | |
| Light Blue | SNX 51/23 | UltraWhite | UltraWhite | 52 | 12 | 20 | 13 | 13 | 41 | 0.29 | 0.27 | 57 | 0.26 | 0.23 | 2.22 |
| Light Blue | | Clear | Clear | 51 | 11 | 19 | 13 | 13 | 34 | 0.29 | 0.27 | 57 | 0.27 | 0.23 | 2.18 |
| Blue-Green | | Green | ↓ | 43 | 5 | 15 | 11 | 13 | 11 | 0.29 | 0.27 | 53 | 0.25 | 0.22 | 1.99 |
| Dark Green | | TwilightGreen | ↓ | 38 | 3 | 13 | 10 | 13 | 8 | 0.29 | 0.27 | 49 | 0.22 | 0.20 | 1.93 |
| Light Gray | | CrystalGray | ↓ | 37 | 6 | 14 | 9 | 13 | 17 | 0.29 | 0.27 | 49 | 0.23 | 0.20 | 1.85 |
| Gray | Gray | ↓ | 25 | 5 | 10 | 7 | 12 | 17 | 0.29 | 0.27 | 40 | 0.18 | 0.16 | 1.54 | |
| Ultra Clear | SN 68 | UltraWhite | UltraWhite | 69 | 32 | 36 | 11 | 12 | 39 | 0.29 | 0.28 | 93 | 0.44 | 0.39 | 1.79 |
| Clear | | Clear | Clear | 68 | 29 | 33 | 11 | 12 | 32 | 0.29 | 0.28 | 90 | 0.43 | 0.38 | 1.80 |
| Green | | Green | ↓ | 58 | 14 | 24 | 9 | 11 | 9 | 0.29 | 0.28 | 73 | 0.34 | 0.30 | 1.90 |
| Dark Green | | TwilightGreen | ↓ | 51 | 8 | 20 | 8 | 11 | 7 | 0.29 | 0.28 | 64 | 0.30 | 0.27 | 1.92 |
| Light Gray | | CrystalGray | ↓ | 49 | 17 | 24 | 8 | 11 | 16 | 0.29 | 0.28 | 72 | 0.34 | 0.30 | 1.65 |
| Gray | Gray | ↓ | 33 | 13 | 18 | 6 | 10 | 16 | 0.29 | 0.28 | 60 | 0.28 | 0.25 | 1.35 | |
| Ultra Clear | SN 62 | UltraWhite | UltraWhite | 64 | 15 | 28 | 11 | 14 | 40 | 0.29 | 0.27 | 76 | 0.36 | 0.32 | 2.00 |
| Clear | | Clear | Clear | 62 | 14 | 27 | 11 | 14 | 33 | 0.29 | 0.27 | 75 | 0.36 | 0.31 | 1.99 |
| Light Gray | | CrystalGray | Clear | 45 | 8 | 19 | 8 | 13 | 16 | 0.29 | 0.27 | 62 | 0.29 | 0.26 | 1.77 |
| Ultra Clear | SN 54 | UltraWhite | UltraWhite | 55 | 17 | 25 | 13 | 18 | 41 | 0.29 | 0.27 | 69 | 0.33 | 0.28 | 1.93 |
| Clear | | Clear | Clear | 54 | 15 | 23 | 13 | 18 | 33 | 0.29 | 0.27 | 68 | 0.32 | 0.28 | 1.91 |
| Green | | Green | ↓ | 46 | 7 | 17 | 10 | 18 | 10 | 0.29 | 0.27 | 59 | 0.27 | 0.24 | 1.88 |
| Dark Green | | TwilightGreen | ↓ | 41 | 4 | 15 | 9 | 17 | 8 | 0.29 | 0.27 | 53 | 0.25 | 0.22 | 1.85 |
| Light Gray | | CrystalGray | ↓ | 39 | 9 | 17 | 9 | 17 | 17 | 0.29 | 0.27 | 57 | 0.26 | 0.23 | 1.68 |
| Gray | Gray | ↓ | 27 | 7 | 13 | 7 | 16 | 16 | 0.29 | 0.27 | 47 | 0.22 | 0.19 | 1.37 | |
| Light Silver | SNR 43 | UltraWhite | UltraWhite | 44 | 18 | 20 | 28 | 14 | 50 | 0.29 | 0.27 | 56 | 0.26 | 0.23 | 1.92 |
| Light Silver | | Clear | Clear | 43 | 17 | 19 | 27 | 14 | 42 | 0.29 | 0.27 | 56 | 0.26 | 0.23 | 1.88 |
| Green | | Green | ↓ | 36 | 8 | 14 | 21 | 14 | 14 | 0.29 | 0.27 | 50 | 0.23 | 0.21 | 1.77 |
| Dark Green | | TwilightGreen | ↓ | 32 | 5 | 12 | 18 | 13 | 11 | 0.29 | 0.27 | 46 | 0.21 | 0.19 | 1.72 |
| Silver Gray | | CrystalGray | ↓ | 31 | 10 | 13 | 17 | 13 | 21 | 0.29 | 0.27 | 48 | 0.22 | 0.20 | 1.59 |
| Silver Gray | Gray | ↓ | 21 | 7 | 10 | 10 | 13 | 19 | 0.29 | 0.27 | 41 | 0.18 | 0.16 | 1.28 | |
| Coating #3 Surface* | | | | | | | | | | | | | | | |
| Bronze | SNX 62/27 (#3) | Bronze | Clear | 38 | 2 | 14 | 7 | 10 | 19 | 0.28 | 0.27 | 65 | 0.31 | 0.27 | 1.40 |
| Green | ↓ | Green | ↓ | 52 | 3 | 18 | 10 | 10 | 11 | 0.28 | 0.27 | 76 | 0.36 | 0.32 | 1.66 |
| Dark Green | ↓ | TwilightGreen | ↓ | 46 | 2 | 16 | 9 | 10 | 8 | 0.28 | 0.27 | 67 | 0.32 | 0.28 | 1.66 |
| Light Gray | ↓ | CrystalGray | ↓ | 45 | 4 | 17 | 8 | 10 | 20 | 0.28 | 0.27 | 73 | 0.34 | 0.30 | 1.49 |
| Gray | ↓ | Gray | ↓ | 31 | 2 | 12 | 6 | 10 | 15 | 0.28 | 0.27 | 58 | 0.27 | 0.24 | 1.28 |
| Dark Gray | ↓ | MidnightGray | ↓ | 6 | 0 | 2 | 5 | 9 | 5 | 0.28 | 0.27 | 29 | 0.12 | 0.11 | 0.56 |

* The SunGuard coatings that can be used on the #3 surface are SN 68, SN 62, SNX 62/27 and Light Blue 63. Guardian recommends a tinted or coated outboard lite when these coatings are used on the #3 surface. All other SunGuard coatings are not recommended or warranted for color or color variance when used on the #3 surface.

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated in accordance with the LBNL Window 5.2 computer analysis using an air mass of 1.5.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. SNR 43 must be heat-treated.
- Guardian recommends edge deletion for all commercial low-E coatings.
- Guardian reserves the right to change product performance characteristics without notice or obligation.