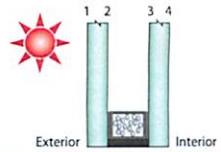


*COST EFFECTIVE FOR  
SMALL QUANTITY  
( < 1000 SF )*



| 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 Out % | Winter Nighttime                | Summer Daytime |                    |                     |                             |                           |                                 |  |  |  |  |  |
| <b>SunGuard SuperNeutral</b>   |                |                    |                   | <b>Coating #2 Surface</b>        |                |                |                     |                    |                    | <b>6 mm / 12 mm a.s. / 6 mm</b> |                |                    |                     |                             |                           |                                 |  |  |  |  |  |
| Ultra Clear  | SNX 62/27      |                    |                   | 63                               | 6              | 24             | 11                  | 12                 | 48                 | 0.28                            | 0.27           | 65                 | 0.30                | 0.27                        | 2.37                      |                                 |  |  |  |  |  |
| Ultra Clear  | SN 68          |                    |                   | 69                               | 32             | 36             | 11                  | 12                 | 39                 | 0.29                            | 0.28           | 93                 | 0.44                | 0.39                        | 1.79                      |                                 |  |  |  |  |  |
| Ultra Clear  | SN 62          | UltraWhite         | UltraWhite        | 64                               | 15             | 28             | 11                  | 14                 | 40                 | 0.29                            | 0.27           | 76                 | 0.36                | 0.32                        | 2.00                      |                                 |  |  |  |  |  |
| Ultra Clear  | SN 54          |                    |                   | 55                               | 17             | 25             | 13                  | 18                 | 41                 | 0.29                            | 0.27           | 69                 | 0.33                | 0.28                        | 1.93                      |                                 |  |  |  |  |  |
| Light Silver   | SNR 43         |                    |                   | 44                               | 18             | 20             | 28                  | 14                 | 50                 | 0.29                            | 0.27           | 56                 | 0.26                | 0.23                        | 1.92                      |                                 |  |  |  |  |  |
| Clear  | SNX 62/27      |                    |                   | 62                               | 6              | 23             | 11                  | 12                 | 39                 | 0.28                            | 0.27           | 65                 | 0.31                | 0.27                        | 2.30                      |                                 |  |  |  |  |  |
| Clear  | SN 68          |                    |                   | 68                               | 29             | 33             | 11                  | 12                 | 32                 | 0.29                            | 0.28           | 90                 | 0.43                | 0.38                        | 1.80                      |                                 |  |  |  |  |  |
| Clear  | SN 62          | Clear              | Clear             | 62                               | 14             | 27             | 11                  | 14                 | 33                 | 0.29                            | 0.27           | 75                 | 0.36                | 0.31                        | 1.99                      |                                 |  |  |  |  |  |
| Clear  | SN 54          |                    |                   | 54                               | 15             | 23             | 13                  | 18                 | 33                 | 0.29                            | 0.27           | 68                 | 0.32                | 0.28                        | 1.91                      |                                 |  |  |  |  |  |
| Light Silver   | SNR 43         |                    |                   | 43                               | 17             | 19             | 27                  | 14                 | 42                 | 0.29                            | 0.27           | 56                 | 0.26                | 0.23                        | 1.88                      |                                 |  |  |  |  |  |
| Green  | SNX 62/27      |                    |                   | 52                               | 3              | 18             | 9                   | 11                 | 11                 | 0.28                            | 0.27           | 59                 | 0.28                | 0.25                        | 2.13                      |                                 |  |  |  |  |  |
| Green  | SN 68          |                    |                   | 58                               | 14             | 24             | 9                   | 11                 | 9                  | 0.29                            | 0.28           | 73                 | 0.34                | 0.30                        | 1.90                      |                                 |  |  |  |  |  |
| Green  | SN 62          | Green              | Clear             | 53                               | 7              | 20             | 9                   | 13                 | 10                 | 0.29                            | 0.27           | 64                 | 0.30                | 0.27                        | 1.98                      |                                 |  |  |  |  |  |
| Green  | SN 54          |                    |                   | 46                               | 7              | 17             | 10                  | 18                 | 10                 | 0.29                            | 0.27           | 59                 | 0.27                | 0.24                        | 1.88                      |                                 |  |  |  |  |  |
| Green  | SNR 43         |                    |                   | 36                               | 8              | 14             | 21                  | 14                 | 14                 | 0.29                            | 0.27           | 50                 | 0.23                | 0.21                        | 1.77                      |                                 |  |  |  |  |  |
| Dark Green   | SNX 62/27      |                    |                   | 46                               | 2              | 16             | 8                   | 11                 | 8                  | 0.28                            | 0.27           | 54                 | 0.25                | 0.22                        | 2.07                      |                                 |  |  |  |  |  |
| Dark Green   | SN 68          |                    |                   | 51                               | 8              | 20             | 8                   | 11                 | 7                  | 0.29                            | 0.28           | 64                 | 0.30                | 0.27                        | 1.92                      |                                 |  |  |  |  |  |
| Dark Green   | SN 62          | TwilightGreen      | Clear             | 47                               | 4              | 17             | 8                   | 13                 | 7                  | 0.29                            | 0.27           | 58                 | 0.27                | 0.24                        | 1.97                      |                                 |  |  |  |  |  |
| Dark Green   | SN 54          |                    |                   | 41                               | 4              | 15             | 9                   | 17                 | 8                  | 0.29                            | 0.27           | 53                 | 0.25                | 0.22                        | 1.85                      |                                 |  |  |  |  |  |
| Dark Green   | SNR 43         |                    |                   | 32                               | 5              | 12             | 18                  | 13                 | 11                 | 0.29                            | 0.27           | 46                 | 0.21                | 0.19                        | 1.72                      |                                 |  |  |  |  |  |
| Light Gray   | SNX 62/27      |                    |                   | 45                               | 4              | 17             | 8                   | 11                 | 19                 | 0.28                            | 0.27           | 55                 | 0.25                | 0.22                        | 1.99                      |                                 |  |  |  |  |  |
| Light Gray   | SN 68          |                    |                   | 49                               | 17             | 24             | 8                   | 11                 | 16                 | 0.29                            | 0.28           | 72                 | 0.34                | 0.30                        | 1.65                      |                                 |  |  |  |  |  |
| Light Gray   | SN 62          | CrystalGray        | Clear             | 45                               | 8              | 19             | 8                   | 13                 | 16                 | 0.29                            | 0.27           | 62                 | 0.29                | 0.26                        | 1.77                      |                                 |  |  |  |  |  |
| Light Gray   | SN 54          |                    |                   | 39                               | 9              | 17             | 9                   | 17                 | 17                 | 0.29                            | 0.27           | 57                 | 0.26                | 0.23                        | 1.68                      |                                 |  |  |  |  |  |
| Silver Gray  | SNR 43         |                    |                   | 31                               | 10             | 13             | 17                  | 13                 | 21                 | 0.29                            | 0.27           | 48                 | 0.22                | 0.20                        | 1.59                      |                                 |  |  |  |  |  |
|  |                |                    |                   | <b>Coating #3 Surface*</b>       |                |                |                     |                    |                    |                                 |                |                    |                     |                             |                           |                                 |  |  |  |  |  |
| 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  | SNX 62/27 (#3) | Green              | Clear             | 52                               | 3              | 18             | 10                  | 10                 | 11                 | 0.28                            | 0.27           | 76                 | 0.36                | 0.32                        | 1.66                      |                                 |  |  |  |  |  |
| Dark Green   | SNX 62/27 (#3) | TwilightGreen      | Clear             | 46                               | 2              | 16             | 9                   | 10                 | 8                  | 0.28                            | 0.27           | 67                 | 0.32                | 0.28                        | 1.66                      |                                 |  |  |  |  |  |
| Light Gray   | SNX 62/27 (#3) | CrystalGray        | Clear             | 45                               | 4              | 17             | 8                   | 10                 | 20                 | 0.28                            | 0.27           | 73                 | 0.34                | 0.30                        | 1.49                      |                                 |  |  |  |  |  |
| Gray   | SNX 62/27 (#3) | Gray               | Clear             | 31                               | 2              | 12             | 6                   | 10                 | 15                 | 0.28                            | 0.27           | 58                 | 0.27                | 0.24                        | 1.28                      |                                 |  |  |  |  |  |
| Dark Gray  | SNX 62/27 (#3) | MidnightGray       | Clear             | 6                                | 0              | 2              | 5                   | 9                  | 5                  | 0.28                            | 0.27           | 29                 | 0.12                | 0.11                        | 0.56                      |                                 |  |  |  |  |  |
| <p>*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.</p> |                |                    |                   |                                  |                |                |                     |                    |                    |                                 |                |                    |                     |                             |                           |                                 |  |  |  |  |  |
|  |                |                    |                   | <b>SunGuard High Performance</b> |                |                |                     |                    |                    | <b>Coating #2 Surface</b>       |                |                    |                     |                             |                           | <b>6 mm / 12 mm a.s. / 6 mm</b> |  |  |  |  |  |
| Light Blue   | Light Blue 63  |                    |                   | 62                               | 40             | 43             | 15                  | 12                 | 15                 | 0.34                            | 0.35           | 122                | 0.59                | 0.51                        | 1.20                      |                                 |  |  |  |  |  |
| Neutral Pewter   | Neutral 61     |                    |                   | 61                               | 27             | 34             | 20                  | 15                 | 31                 | 0.30                            | 0.29           | 95                 | 0.45                | 0.40                        | 1.53                      |                                 |  |  |  |  |  |
| Neutral Blue   | Neutral 50     |                    |                   | 50                               | 30             | 31             | 16                  | 11                 | 19                 | 0.33                            | 0.32           | 94                 | 0.45                | 0.39                        | 1.28                      |                                 |  |  |  |  |  |
| Neutral Gray   | Neutral 40     | Clear              | Clear             | 40                               | 26             | 25             | 20                  | 12                 | 22                 | 0.33                            | 0.33           | 78                 | 0.37                | 0.32                        | 1.25                      |                                 |  |  |  |  |  |
| Light Silver   | AG 50          |                    |                   | 50                               | 26             | 28             | 28                  | 18                 | 36                 | 0.30                            | 0.28           | 80                 | 0.38                | 0.33                        | 1.51                      |                                 |  |  |  |  |  |
| Light Silver   | AG 43          |                    |                   | 41                               | 23             | 24             | 30                  | 15                 | 33                 | 0.31                            | 0.30           | 71                 | 0.33                | 0.29                        | 1.39                      |                                 |  |  |  |  |  |
| Royal Blue   | Royal Blue 40  |                    |                   | 38                               | 21             | 24             | 24                  | 18                 | 24                 | 0.31                            | 0.31           | 76                 | 0.36                | 0.31                        | 1.21                      |                                 |  |  |  |  |  |
| Blue-Green   | Light Blue 63  |                    |                   | 52                               | 18             | 26             | 12                  | 12                 | 8                  | 0.34                            | 0.35           | 84                 | 0.39                | 0.35                        | 1.51                      |                                 |  |  |  |  |  |
| Green  | Neutral 61     |                    |                   | 51                               | 13             | 23             | 15                  | 14                 | 11                 | 0.30                            | 0.29           | 71                 | 0.34                | 0.30                        | 1.74                      |                                 |  |  |  |  |  |
| Green  | Neutral 50     |                    |                   | 42                               | 14             | 20             | 13                  | 10                 | 9                  | 0.33                            | 0.32           | 69                 | 0.32                | 0.28                        | 1.49                      |                                 |  |  |  |  |  |
| Green  | Neutral 40     | Green              | Clear             | 34                               | 12             | 16             | 16                  | 12                 | 10                 | 0.33                            | 0.33           | 59                 | 0.27                | 0.24                        | 1.39                      |                                 |  |  |  |  |  |
| Green  | AG 50          |                    |                   | 43                               | 12             | 19             | 21                  | 18                 | 14                 | 0.30                            | 0.28           | 62                 | 0.29                | 0.25                        | 1.67                      |                                 |  |  |  |  |  |
| Green  | AG 43          |                    |                   | 35                               | 11             | 15             | 23                  | 14                 | 14                 | 0.31                            | 0.30           | 55                 | 0.26                | 0.23                        | 1.52                      |                                 |  |  |  |  |  |
| Aquamarine   | Royal Blue 40  |                    |                   | 32                               | 9              | 15             | 19                  | 17                 | 12                 | 0.31                            | 0.31           | 56                 | 0.26                | 0.23                        | 1.40                      |                                 |  |  |  |  |  |
| Silver Gray  | AG 50          |                    |                   | 36                               | 15             | 20             | 17                  | 18                 | 19                 | 0.30                            | 0.28           | 64                 | 0.30                | 0.26                        | 1.38                      |                                 |  |  |  |  |  |
| Silver Gray  | AG 43          | CrystalGray        | Clear             | 30                               | 13             | 16             | 18                  | 14                 | 18                 | 0.31                            | 0.30           | 58                 | 0.27                | 0.24                        | 1.25                      |                                 |  |  |  |  |  |
| Blue Gray  | Royal Blue 40  |                    |                   | 27                               | 11             | 17             | 15                  | 17                 | 14                 | 0.31                            | 0.31           | 60                 | 0.28                | 0.25                        | 1.11                      |                                 |  |  |  |  |  |
|  |                |                    |                   | <b>SunGuard Solar</b>            |                |                |                     |                    |                    | <b>Coating #2 Surface</b>       |                |                    |                     |                             |                           | <b>6 mm / 12 mm a.s. / 6 mm</b> |  |  |  |  |  |
| Silver Blue-Gray   | Silver 32      | Clear              | Clear             | 29                               | 23             | 20             | 22                  | 21                 | 18                 | 0.42                            | 0.44           | 76                 | 0.35                | 0.31                        | 0.94                      |                                 |  |  |  |  |  |
| Silver   | Silver 20      |                    |                   | 18                               | 15             | 12             | 31                  | 27                 | 27                 | 0.39                            | 0.41           | 54                 | 0.24                | 0.21                        | 0.84                      |                                 |  |  |  |  |  |
| Blue-Green   | Silver 32      | Green              | Clear             | 24                               | 11             | 12             | 17                  | 21                 | 10                 | 0.42                            | 0.44           | 61                 | 0.27                | 0.24                        | 1.00                      |                                 |  |  |  |  |  |
| Green  | Silver 20      |                    |                   | 15                               | 7              | 8              | 24                  | 27                 | 13                 | 0.39                            | 0.41           | 48                 | 0.21                | 0.19                        | 0.82                      |                                 |  |  |  |  |  |

*\*SN 68 in lieu of SNX 62/27 raises light transmission and SHGC slightly*

- 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.