



## Heat & Light Control Characteristics of Laminated Glass Made with Saflex Interlayer

| Description                           | Solar Transmittance | Visible Light Transmittance | Shading Coefficient (SC) | Solar Heat Gain Coefficient (SHGC) | LSG (Light to Solar Gain) | U-Factor BTU/hr-ft <sup>2</sup> -F | Relative Heat Gain (RHG) BTU/hr-ft <sup>2</sup> |
|---------------------------------------|---------------------|-----------------------------|--------------------------|------------------------------------|---------------------------|------------------------------------|---|
| <b>Colored Protective Interlayers</b> |                     |                             |                          |                                    |                           |                                    |   |
| Vanceva® Polar White *                | 0.08                | 0.07                        | 0.26                     | 0.22                               | 0.30                      | 1.01                               | 64  |
| Vanceva® Arctic Snow                  | 0.60                | 0.68                        | 0.78                     | 0.68                               | 1.00                      | 1.01                               | 170   |
| Vanceva® Cool White                   | 0.67                | 0.81                        | 0.85                     | 0.73                               | 1.11                      | 1.01                               | 182   |
| Vanceva® Ruby Red                     | 0.62                | 0.48                        | 0.83                     | 0.72                               | 0.67                      | 1.01                               | 178   |
| Vanceva® Coral Rose                   | 0.70                | 0.76                        | 0.89                     | 0.77                               | 0.99                      | 1.01                               | 190   |
| Vanceva® Sahara Sun                   | 0.63                | 0.78                        | 0.83                     | 0.72                               | 1.08                      | 1.01                               | 179   |
| Vanceva® Golden Light                 | 0.69                | 0.85                        | 0.88                     | 0.76                               | 1.12                      | 1.01                               | 188   |
| Vanceva® Sapphire                     | 0.55                | 0.52                        | 0.77                     | 0.67                               | 0.77                      | 1.01                               | 167   |
| Vanceva® Aquamarine                   | 0.69                | 0.77                        | 0.87                     | 0.76                               | 1.02                      | 1.01                               | 188   |
| Vanceva® Evening Shadow               | 0.48                | 0.49                        | 0.72                     | 0.62                               | 0.80                      | 1.01                               | 156   |
| Vanceva® Smoke Grey                   | 0.67                | 0.78                        | 0.86                     | 0.75                               | 1.04                      | 1.01                               | 185   |
| Vanceva® True Blue                    | 0.42                | 0.12                        | 0.66                     | 0.57                               | 0.20                      | 1.01                               | 144   |
| Vanceva® Deep Red                     | 0.38                | 0.15                        | 0.63                     | 0.54                               | 0.28                      | 1.01                               | 139   |
| Vanceva® Tangerine                    | 0.54                | 0.41                        | 0.75                     | 0.65                               | 0.64                      | 1.01                               | 164   |
| Saflex® Blue Green                    | 0.64                | 0.72                        | 0.84                     | 0.72                               | 0.99                      | 1.01                               | 180   |
| Saflex® Cool Blue                     | 0.67                | 0.74                        | 0.86                     | 0.74                               | 0.99                      | 1.01                               | 184   |
| Saflex® Light Sky Blue                | 0.65                | 0.67                        | 0.84                     | 0.73                               | 0.92                      | 1.01                               | 181   |
| Saflex® Grey                          | 0.47                | 0.42                        | 0.71                     | 0.61                               | 0.69                      | 1.01                               | 155   |
| Saflex® Medium Blue Grey              | 0.38                | 0.30                        | 0.64                     | 0.55                               | 0.55                      | 1.01                               | 140   |
| Saflex® Bronze                        | 0.51                | 0.52                        | 0.74                     | 0.64                               | 0.82                      | 1.01                               | 161   |
| Saflex® Medium Bronze                 | 0.65                | 0.69                        | 0.84                     | 0.73                               | 0.94                      | 1.01                               | 181   |
| Saflex® Medium Neutral Brown          | 0.32                | 0.28                        | 0.60                     | 0.51                               | 0.55                      | 1.01                               | 132   |

Information provided by Solutia Inc. The data and information set forth above are based on calculations and are not guaranteed for all samples or applications. All data calculated using Lawrence Berkeley Laboratory Window 5.2 Product; NFRC/ASHRAE Conditions; center of Glass Values; USD Standard units. Laminates constructed as: 3 mm (0.125 inch) Clear glass - [Saflex Interlayer] - 3 mm (0.125 inch) Clear glass. Colored laminate configurations consist of 0.38 mm Saflex interlayer unless noted. All alternate interlayer thicknesses as designated.

\* Estimated data for Polar White.