**Type: Uncoated Tinted Insulating Glass “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Tint Color: “*Optigray®”*** Glass by Vitro Architectural Glass

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 56% | 0.47 | 0.50 | 0.52 | 0.60 | 10% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

**“*Solarban*®” 70 (2) “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating: *“Solarban®”*** 70 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 46% | 0.28 | 0.26 | 0.23 | 0.28 | 9% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

***“Optigray*®*”* + *“Solarban*®*”* 70 (3) †** by Vitro Architectural Glass

**Outdoor Lite: *“Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) **†**

**Low-E Coating: *“Solarban®”*** 70 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface (3)

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

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 46% | 0.28 | 0.26 | 0.28 | 0.32 | 9% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

**“*Solarban*®” 60 (2) “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating: *“Solarban®”*** 60 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 50% | 0.29 | 0.27 | 0.30 | 0.35 | 8% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

***“Optigray*®*”* + *“Solarban*®*”* 60 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass, Sputter Coated on third surface (3)

**Low-E Coating: *“Solarban®”*** 60 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface (3)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 50% | 0.29 | 0.27 | 0.35 | 0.40 | 8% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

**“*Solarban*®” 67 (2) “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating: *“Solarban®”*** 67 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 38% | 0.29 | 0.27 | 0.24 | 0.27 | 12% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

***“Optigray*®*”* + *“Solarban*®*”* 67 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass, Sputter Coated on third surface (3)

**Low-E Coating: *“Solarban®”*** 67 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface (3)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 38% | 0.29 | 0.27 | 0.32 | 0.36 | 10% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

**“*Solarban*®” R100 (2) “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating: *“Solarban®”*** R100 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 29% | 0.29 | 0.27 | 0.20 | 0.23 | 18% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

**“*Solarban*®” 90 (2) “*Optigray*®*”* + Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating: *“Solarban®”*** 90 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 36% | 0.29 | 0.27 | 0.20 | 0.23 | 8% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Solar Control Tinted Insulating Glass

***“Optigray*®*”* + *“Solarban*®*”* 90 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Optigray®”*** Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass, Sputter Coated on third surface (3)

**Low-E Coating: *“Solarban®”*** 90 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface (3)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 36% | 0.29 | 0.27 | 0.27 | 0.31 | 12% |

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

# Type: Low-E Tinted Insulating Glass

***“Optigray*®*”* + *“Sungate*®*”* 400 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: *“Optigray®”*** Glass by Vitro Architectural Glass.

**Indoor Lite:** Clear (transparent) Float Glass Sputter Coated on third surface (3) **Low-E Coating: *“Sungate®”*** 400 (Sputtered) by Vitro Architectural Glass **Location:** Third Surface (3)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 54% | 0.32 | 0.31 | 0.46 | 0.52 | 9% |

**Approved Manufacturers:** Vitro-specific approval not required

**Certification:** Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Product Innovation [Institute (www.c2ccertified.org](http://www.c2ccertified.org/)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass