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

**Outdoor Lite: *“Solarbronze®”*** Float Glass by Vitro Architectural Glass

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

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

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 47% | 0.47 | 0.50 | 0.51 | 0.59 | 8% |

**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:** Warm-bronze

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

# Type: Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** 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 |
| 46% | 0.32 | 0.31 | 0.44 | 0.50 | 8% |

**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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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 |
| 42% | 0.29 | 0.27 | 0.28 | 0.32 | 7% |

**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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** 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 |
| 42% | 0.29 | 0.27 | 0.32 | 0.37 | 7% |

**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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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 |
| 32% | 0.29 | 0.27 | 0.22 | 0.25 | 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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** 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 |
| 32% | 0.29 | 0.27 | 0.29 | 0.33 | 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:** Warm-bronze

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

# Type: Solar Control Low-E Clear Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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 |
| 39% | 0.28 | 0.26 | 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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *”Solarbronze®”*** Glass by Vitro Architectural Glass

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

**Low-E Coating: *“Solarban®”*** 70 (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 |
| 38% | 0.28 | 0.26 | 0.26 | 0.30 | 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:** Warm-bronze

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

# Type: Low-E Tinted Reflective Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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 |
| 25% | 0.29 | 0.27 | 0.18 | 0.21 | 15% |

**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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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 |
| 31% | 0.29 | 0.27 | 0.18 | 0.20 | 7% |

**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:** Warm-bronze

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

# Type: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite: *“Solarbronze®”*** 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 |
| 30% | 0.29 | 0.27 | 0.24 | 0.27 | 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:** Warm-bronze

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

# Type: Reflective Tinted Insulating Glass

***“Solarcool* ®*”* (2) “*Solarbronze* ®*”* + Clear**

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

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

**Reflective Coating: *“Solarcool®”*** 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 |
| 19% | 0.47 | 0.50 | 0.34 | 0.40 | 14% |

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

**Certification:** Clear, uncoated lite 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:** Reflective warm-bronze

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

# Type: Reflective Tinted Solar Control Low-E Insulating Glass

***“Solarcool* ®*”* (2) “*Solarbronze* ®*”* + *“Solarban*®*”* 60 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Solarbronze®*”** 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)

**Reflective Coating: *“Solarcool®”*** 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 |
| 17% | 0.29 | 0.27 | 0.18 | 0.21 | 14% |

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

**Certification:** Clear, coated lite 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:** Reflective warm-bronze

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

# Type: Reflective Solar Control Low-E Insulating Glass

**“Solarcool®” (2) *“Solarbronze* ®” + “*Solarban*®” 70 (3) †** by Vitro Architectural Glass

**Outdoor Lite: *“Solarbronze®”*** 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)

**Reflective Coating: *“Solarcool®”*** by Vitro Architectural Glass

**Location:** Second Surface (2)

**† *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 |
| 15% | 0.28 | 0.26 | 0.15 | 0.17 | 14% |

**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:** Reflective warm-bronze

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

# Type: Reflective Tinted Solar Control Low-E Insulating Glass

***“Solarcool* ®*”* (2) “*Solarbronze* ®*”* + *“Solarban*®*”* 90 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Solarbronze®*”** 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)

**Reflective Coating: *“Solarcool®”*** 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 |
| 12% | 0.29 | 0.27 | 0.14 | 0.16 | 14% |

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

**Certification:** Clear, coated lite 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:** Reflective warm-bronze

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

# Type: Reflective Tinted Insulating Glass

***“Solarcool* ®*”* (1) “*Solarbronze* ®*”* + *“Solarban*®*”* 90 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite: “*Solarbronze®*”** 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)

**Reflective Coating: *“Solarcool®”*** by Vitro Architectural Glass

**Location:** First Surface (1)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 12% | 0.29 | 0.27 | 0.12 | 0.14 | 37% |

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

**Certification:** Clear, coated lite 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:** Reflective warm-bronze

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

# Type: Reflective Tinted Insulating Glass

***“Solarcool* ®*”* (1) “*Solarbronze* ®” + Clear**

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

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

**Reflective Coating: *“Solarcool®”*** by Vitro Architectural Glass

**Location:** First Surface (1)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 18% | 0.47 | 0.50 | 0.31 | 0.35 | 37% |

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

**Certification:** Clear, uncoated lite 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:** Reflective warm-bronze

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