# Type: U-Value Enhancing Low-E Insulating Glass

***“Solarban* ®*”* 60(2) Clear+ *“Sungate ThermL™”*  (4) Clear** by Vitro Architectural Glass.

**Outdoor Lite:** Clear (Transparent) FloatGlass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 69% | 0.23 | 0.21 | 0.38 | 0.44 | 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:** Clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 60(2) “*Starphir*e®”+ *“Sungate ThermL™”*  (4) “*Starphir*e®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Starphire®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire®” (low-iron) Float Glass, Sputter Coated on third surface (3)

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

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 73% | 0.23 | 0.21 | 0.41 | 0.47 | 11% |

**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-clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 60(2) “*Acuity*®”+ *“Sungate ThermL™”*  (4) “*Acuity*®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Acuity®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Acuity®” (low-iron) Float Glass, Sputter Coated on third surface (3)

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

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate Therml™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 71% | 0.23 | 0.21 | 0.40 | 0.46 | 11% |

**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-clear

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

# Type: U-Value Enhancing Low-E Insulating Glass

***“Solarban* ®*”* 70(2)** † **+ *“Sungate ThermL™”*  (4) Clear** by Vitro Architectural Glass.

**Outdoor Lite:** Clear (Transparent) FloatGlass by Vitro Architectural Glass, Sputter Coated on second surface (2) †

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

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

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

**† *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 |
| 63% | 0.23 | 0.20 | 0.27 | 0.31 | 13% |

**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:** Clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 72(2) “*Starphir*e®”+ *“Sungate ThermL™”*  (4) “*Starphir*e®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Starphire®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire®” (low-iron) Float Glass, Sputter Coated on third surface (3)

**Low-E Coating: *“Solarban®”*** 72 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 66% | 0.23 | 0.20 | 0.27 | 0.31 | 13% |

**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-clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 72(2) “*Acuity*®”+ *“Sungate ThermL™”*  (4) “*Acuity*®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Acuity®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Acuity®” (low-iron) Float Glass, Sputter Coated on third surface (3)

**Low-E Coating: *“Solarban®”*** 72 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 65% | 0.23 | 0.20 | 0.27 | 0.31 | 13% |

**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-clear

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

# Type: U-Value Enhancing Low-E Insulating Glass

***“Solarban* ®*”* 90(2) Clear+ *“Sungate ThermL™”*  (4) Clear** by Vitro Architectural Glass.

**Outdoor Lite:** Clear (Transparent) FloatGlass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**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:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 50% | 0.23 | 0.21 | 0.23 | 0.26 | 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:** Clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 90(2) “*Starphir*e®”+ *“Sungate ThermL™”*  (4) “*Starphir*e®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Starphire®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire®” (low-iron) Float Glass, Sputter Coated on third surface (3)

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

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 52% | 0.23 | 0.21 | 0.22 | 0.26 | 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-clear

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

# Type: U-Value Enhancing Low-Iron Low-E Insulating Glass

***“Solarban* ®*”* 90(2) “*Acuity*®”+ *“Sungate ThermL™”*  (4) “*Acuity*®”**by Vitro Architectural Glass.

**Outdoor Lite:** “Acuity®” (low-iron [a specially formulated glass type to eliminate the green hue commonly associated with clear glass]) Float Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Acuity®” (low-iron) Float Glass, Sputter Coated on third surface (3)

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

**Location:** Second Surface (2)

**U Value Enhancing Low-E Coating: *“Sungate ThermL™”*** by Vitro Architectural Glass

**Location:** Fourth Surface (4)

# Performance Values

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Visible Light Transmittance | U-Value Winter | U-Value Summer | SHGC | Shading Coefficient | Outdoor Visible Light Reflectance |
| 52% | 0.23 | 0.21 | 0.23 | 0.26 | 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-clear

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