



## UNCOATED GLASS

### **Type: Clear Insulating Glass**

**Clear + Clear** by Vitro Architectural Glass

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

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

#### **Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
79%	0.47	0.50	0.70	0.81	15%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Uncoated Ultra-Clear Float Glass**

**"Starphire®" + "Starphire"** by Vitro Architectural Glass

**Outdoor Lite:** **"Starphire"** (ultra-clear) Float Glass by Vitro Architectural Glass

**Indoor Lite:** **"Starphire"** (ultra-clear) Float Glass by Vitro Architectural Glass

#### **Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
84%	0.47	0.50	0.82	0.94	15%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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



## UNCOATED TINTED GLASS

### **Type: Uncoated Tinted Insulating Glass**

**“Solexia®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** “Solexia” Float Glass by Vitro Architectural Glass

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

**Tint Color:** “Solexia” by Vitro Architectural Glass

#### **Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
69%	0.47	0.50	0.50	0.57	13%

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

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

**Outdoor Appearance:** Light-green

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

### **Type: Uncoated Tinted Insulating Glass**

**“Atlantica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** “Atlantica” Float Glass by Vitro Architectural Glass

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

**Tint Color:** “Atlantica” by Vitro Architectural Glass

#### **Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
60%	0.47	0.50	0.41	0.47	11%

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

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

**Outdoor Appearance:** Emerald-green

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

## Type: Uncoated Tinted Insulating Glass

**“Azuria®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Azuria” Float** Glass by Vitro Architectural Glass

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

**Tint Color:** **“Azuria”** by Vitro Architectural Glass

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
61%	0.47	0.50	0.39	0.45	11%

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

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

**Outdoor Appearance:** Aqua-blue

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

## Type: Uncoated Tinted Insulating Glass

**“Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** Float Glass by Vitro Architectural Glass

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

**Tint Color:** **“Pacifica”** by Vitro Architectural Glass

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
38%	0.47	0.50	0.36	0.41	7%

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

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

**Outdoor Appearance:** Deep-blue

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

**Type: Uncoated Tinted Insulating Glass**

**“Solarblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarblue”** Float Glass by Vitro Architectural Glass

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

**Tint Color:** **“Solarblue”** by Vitro Architectural Glass

**Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
50%	0.47	0.50	0.49	0.56	9%

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

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

**Outdoor Appearance:** Light sky-blue

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

**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 Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Uncoated Tinted Insulating Glass

“Solargray®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” Float Glass by Vitro Architectural Glass

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

**Tint Color:** “Solargray” by Vitro Architectural Glass

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
40%	0.47	0.50	0.46	0.53	7%

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

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

**Outdoor Appearance:** Cool light-gray

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

## Type: Uncoated Tinted Insulating Glass

“Graylite®” II + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Graylite” II Glass by Vitro Architectural Glass

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

**Tint Color:** “Graylite” II by Vitro Architectural Glass

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
8%	0.47	0.50	0.22	0.25	4%

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

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

**Outdoor Appearance:** Dark-gray

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



## 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 Products 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

## SOLAR CONTROL LOW-E INSULATING GLASS

### Type Solar Control Low-E Clear Insulating Glass

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

**Outdoor Lite:** Clear 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
70%	0.29	0.27	0.39	0.45	11%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Solar Control Ultra-Clear Low-E Clear Insulating Glass

“Solarban®” 60 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

**Outdoor Lite:** “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire” (ultra-clear) 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
74%	0.29	0.27	0.41	0.48	11%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “Solexia” 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
61%	0.29	0.27	0.32	0.37	9%

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

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

**Outdoor Appearance:** Light-green

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



## Architectural Glass Product Specifications

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

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

**Outdoor Lite:** “Atlantica” 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
53%	0.29	0.27	0.27	0.32	8%

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

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

**Outdoor Appearance:** Emerald-green

**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) “Azuria®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Azuria” 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
54%	0.29	0.27	0.28	0.32	8%

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

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

**Outdoor Appearance:** Aqua-blue

**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) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** 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
34%	0.29	0.27	0.22	0.26	6%

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

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

**Outdoor Appearance:** Deep-blue

**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) “Solarblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarblue”** 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
45%	0.29	0.27	0.28	0.33	7%

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

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

**Outdoor Appearance:** Light sky-blue

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



## Architectural Glass Product Specifications

### 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 certified, minimum Bronze Level, by Cradle to Cradle Products 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) “Solargray®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solargray”** 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
35%	0.29	0.27	0.25	0.29	6%

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

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

**Outdoor Appearance:** Cool 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 certified, minimum Bronze Level, by Cradle to Cradle Products 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 Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “Solexia” 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
61%	0.29	0.27	0.37	0.42	10%

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

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

**Outdoor Appearance:** Light-green

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

**Type: Solar Control Low-E Tinted Insulating Glass****“Atlantica®” + “Solarban®” 60 (3) Clear** by Vitro Architectural Glass**Outdoor Lite:** “Atlantica” 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
53%	0.29	0.27	0.31	0.36	9%

**Approved Manufacturers:** Vitro Certified™ Fabricator Required**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).**Outdoor Appearance:** Emerald-green**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass**Type:****Solar Control Low-E Tinted Insulating Glass****“Azuria®” + “Solarban®” 60 (3) Clear** by Vitro Architectural Glass**Outdoor Lite:** “Azuria” 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
54%	0.29	0.27	0.31	0.36	9%

**Approved Manufacturers:** Vitro Certified™ Fabricator Required**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).**Outdoor Appearance:** Aqua-blue**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

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

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

**Outdoor Lite:** **“Pacifica”** 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
34%	0.29	0.27	0.25	0.29	6%

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

**Certification:** Clear, coated lite to be Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Deep-blue

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

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

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

**Outdoor Lite:** **“Solarblue”** 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
45%	0.29	0.27	0.33	0.38	7%

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

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

**Outdoor Appearance:** Light sky-blue

**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 Products 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**

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

**Outdoor Lite:** **“Solargray”** 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
35%	0.29	0.27	0.29	0.33	7%

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

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

**Outdoor Appearance:** Cool light-gray

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

**Type: Solar Control Low-E Tinted Insulating Glass**

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

**Outdoor Lite:** **“Graylite”** II 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
7%	0.29	0.27	0.13	0.14	4%

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

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

**Outdoor Appearance:** Dark-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 Products 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 Low-E Clear Insulating Glass**

“Solarban®” 70XL (2) “Starphire®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

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

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

**Location:** Second Surface (2)

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

**Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
64%	0.28	0.26	0.27	0.32	12%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Solar Control Low-E Clear Insulating Glass**

“Solarban®” 70XL (2) “Solexia®” + Clear by Vitro Architectural Glass

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

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

**Low-E Coating:** “Solarban” 70XL 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
58%	0.28	0.26	0.27	0.31	10%

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

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

**Outdoor Appearance:** Light-green

**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®” 70XL (2) “Atlantica® + Clear** by Vitro Architectural Glass

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

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

**Low-E Coating: “Solarban” 70XL 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
51%	0.28	0.26	0.24	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Emerald-green

**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®” 70XL (2) “Azuria®” + Clear** by Vitro Architectural Glass

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

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

**Low-E Coating: “Solarban” 70XL 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
52%	0.28	0.26	0.25	0.29	9%

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

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

**Outdoor Appearance:** Aqua-blue

**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®” 70XL (2) “Pacifica®” + Clear by Vitro Architectural Glass

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

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

**Low-E Coating:** “Solarban” 70XL 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%	0.28	0.26	0.19	0.22	6%

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

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

**Outdoor Appearance:** Deep-blue

**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®” 70XL (2) “Solarblue®” + Clear by Vitro Architectural Glass

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

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

**Low-E Coating:** “Solarban” 70XL 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%	0.28	0.26	0.23	0.26	8%

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

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

**Outdoor Appearance:** Light sky-blue

**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®” 70XL (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”** 70XL 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
40%	0.28	0.26	0.21	0.25	7%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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®” 70XL (2) “Solargray®” + Clear** by Vitro Architectural Glass

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

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

**Low-E Coating:** **“Solarban”** 70XL 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
34%	0.28	0.26	0.20	0.23	6%

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

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

**Outdoor Appearance:** Cool 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 XL (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” 70XL 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
47%	0.28	0.26	0.24	0.28	8%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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 Low-E Tinted Insulating Glass

“Solexia®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “Solexia” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
56%	0.28	0.26	0.32	0.37	11%

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

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

**Outdoor Appearance:** Light-green

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

**Type: Solar Control Low-E Tinted Insulating Glass**

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

**Outdoor Lite:** “Atlantica” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

**Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
49%	0.28	0.26	0.28	0.32	10%

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

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

**Outdoor Appearance:** Emerald-green

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

**Type: Solar Control Low-E Tinted Insulating Glass**

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

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

**Performance Values**

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
49%	0.28	0.26	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Aqua-blue

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

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

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

**Outdoor Lite:** “**Pacifica**” Glass by Vitro Architectural Glass

**Indoor Lite:** “**Starphire**®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
31%	0.28	0.26	0.22	0.26	6%

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

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

**Outdoor Appearance:** Deep-blue

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

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

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

**Outdoor Lite:** “**Solarblue**” Glass by Vitro Architectural Glass

**Indoor Lite:** “**Starphire**®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
40%	0.28	0.26	0.27	0.32	8%

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

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

**Outdoor Appearance:** Light sky-blue

**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®” 70XL (3) † by Vitro Architectural Glass

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

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

† **Low-E Coating:** “Solarban” 70XL (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface (3)

† **Solarban** 70XL for annealed applications is applied to **Starphire** glass; heat-treated applications will require either clear or **Starphire** 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 Products 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

“Solargray®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

† **Low-E Coating:** “Solarban” 70XL (Sputtered) by Vitro Architectural Glass

**Location:** Third Surface

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
32%	0.28	0.26	0.24	0.27	7%

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

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

**Outdoor Appearance:** Cool light-gray

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

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

“**Graylite®**” II + “**Solarban®**” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “**Graylite**” II Glass by Vitro Architectural Glass

**Indoor Lite:** “**Starphire®**” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
6%	0.28	0.26	0.11	0.13	4%

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

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

**Outdoor Appearance:** Dark-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®**” 70XL (3) † by Vitro Architectural Glass

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

**Indoor Lite:** “**Starphire®**” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
45%	0.28	0.26	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 Products 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 Low-E Insulating Glass

**“Solarban®” z50 (2) “Optiblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarban z50 (2) Optiblue”** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

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

**Low-E Coating:** **“Solarban”** z50 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
51%	0.29	0.27	0.32	0.36	8%

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

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

**Outdoor Appearance:** Steel blue-gray

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

## Type: Solar Control Low-E Insulating Glass

**“Solarban®” z50 (2) “Optiblue®” + “Optiblue”** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarban z50 (2) Optiblue”** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**Indoor Lite:** **“Optiblue”** Glass by Vitro Architectural Glass

**Low-E Coating:** **“Solarban”** z50 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
37%	0.29	0.27	0.31	0.35	7%

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

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

**Outdoor Appearance:** Deep steel blue-gray

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

## Type: Solar Control Low-E Insulating Glass

**“Solarban®” z75 (2) “Optiblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarban z75 (2) Optiblue”** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

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

**Low-E Coating:** **“Solarban” z75** 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
48%	0.28	0.26	0.24	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Steel blue-gray

**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®” 72 (2) “Starphire®” + “Starphire”** by Vitro Architectural Glass

**Outdoor Lite:** **“Starphire”** (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2) for annealed and some heat-treated applications, depending on manufacturing process

**Clear Glass** by Vitro Architectural Glass, Sputter Coated on second surface (2) for heat-treated applications, depending on manufacturing process

**Indoor Lite:** **“Starphire”** (ultra-clear) Float Glass by Vitro Architectural Glass

**Low-E Coating:** **“Solarban” 72** 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
68%	0.28	0.26	0.28	0.32	13%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Clear Insulating Glass

**“Sungate®” 400 (2) Clear + Clear** by Vitro Architectural Glass

**Outdoor Lite:** Clear Glass, Sputter Coated on second surface (2)

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

**Low-E Coating:** **“Sungate”** 400 (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
76%	0.32	0.31	0.60	0.69	14%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Clear Insulating Glass

**“Sungate®” 400 (2) “Starphire®” + “Starphire”** by Vitro Architectural Glass

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

**Indoor Lite:** **“Starphire”** (ultra-clear) Float Glass

**Low-E Coating:** **“Sungate”** 400 (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
80%	0.32	0.31	0.68	0.78	14%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** Clear (transparent) Float 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
76%	0.32	0.31	0.63	0.73	14%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “Solexia” 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
66%	0.32	0.31	0.44	0.50	11%

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

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

**Outdoor Appearance:** Light-green

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

## Type: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Atlantica”** 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
58%	0.32	0.31	0.35	0.40	10%

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

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

**Outdoor Appearance:** Emerald-green

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

## Type: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Azuria”** 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
59%	0.32	0.31	0.34	0.39	10%

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

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

**Outdoor Appearance:** Aqua-blue

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

## Type: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Pacifica”** 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
37%	0.32	0.31	0.30	0.34	7%

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

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

**Outdoor Appearance:** Deep-blue

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

## Type: Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Solarblue”** 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
48%	0.32	0.31	0.42	0.49	8%

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

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

**Outdoor Appearance:** Light sky-blue

**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 Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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**

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

**Outdoor Lite:** “Solargray” 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
38%	0.32	0.31	0.39	0.44	7%

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

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

**Outdoor Appearance:** Cool light-gray

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

## Type: Reflective Tinted Low-E Insulating Glass

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

**Outdoor Lite:** **“Graylite”** II 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
8%	0.32	0.31	0.15	0.17	4%

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

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

**Outdoor Appearance:** Dark-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 Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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 Low-E Clear Insulating Glass

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

**Outdoor Lite:** Clear (transparent) Float 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
54%	0.29	0.27	0.29	0.33	19%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Solar Control Ultra-Clear Low-E Insulating Glass

“Solarban®” 67 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

**Outdoor Lite:** “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire” (ultra-clear) 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
57%	0.29	0.27	0.30	0.34	20%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Solar Control Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Solexia”** 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
47%	0.29	0.27	0.25	0.29	16%

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

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

**Outdoor Appearance:** Light-green

**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) “Atlantica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Atlantica”** 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
41%	0.29	0.27	0.22	0.26	13%

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

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

**Outdoor Appearance:** Emerald-green

**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) “Azuria®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Azuria”** 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
42%	0.29	0.27	0.23	0.26	13%

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

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

**Outdoor Appearance:** Aqua-blue

**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) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** 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
26%	0.29	0.27	0.19	0.21	8%

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

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

**Outdoor Appearance:** Deep-blue

**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) “Solarblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarblue”** 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
34%	0.29	0.27	0.22	0.26	10%

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

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

**Outdoor Appearance:** Light sky-blue

**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) “Optiblu®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarban 67 (2) Optiblu”** 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
39%	0.29	0.27	0.25	0.28	12%

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

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

**Outdoor Appearance:** Steel blue-gray

**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 Products 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) “Solargray®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solargray”** 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
27%	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Cool 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 Products 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 Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “Atlantica” 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
41%	0.29	0.27	0.29	0.33	11%

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

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

**Outdoor Appearance:** Emerald-green

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

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

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

**Outdoor Lite:** **“Azuria”** 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
42%	0.29	0.27	0.29	0.33	11%

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

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

**Outdoor Appearance:** Aqua-blue

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

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

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

**Outdoor Lite:** **“Pacifica”** 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
26%	0.29	0.27	0.23	0.27	7%

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

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

**Outdoor Appearance:** Deep-blue

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



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

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

**Outdoor Lite:** “Solarblue” 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
34%	0.29	0.27	0.30	0.34	9%

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

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

**Outdoor Appearance:** Light sky-blue

**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 Products 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

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

**Outdoor Lite:** **“Solargray”** 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
27%	0.29	0.27	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Cool light-gray

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

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

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

**Outdoor Lite:** **“Graylite”** II 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
5%	0.29	0.27	0.12	0.14	4%

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

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

**Outdoor Appearance:** Dark-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 Products 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 Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “**Optiblue**” 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
39%	0.29	0.27	0.34	0.39	10%

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

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

**Outdoor Appearance:** Steel blue-gray

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

## Type: Low-E Clear Reflective Insulating Glass

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

**Outdoor Lite:** Clear (transparent) Float 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
42%	0.29	0.27	0.23	0.27	32%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Ultra-Clear Low-E Reflective Insulating Glass

“Solarban®” R100 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

**Outdoor Lite:** “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**Indoor Lite:** “Starphire” (ultra-clear) 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
44%	0.29	0.27	0.23	0.27	33%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Tinted Reflective Insulating Glass**

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

**Outdoor Lite:** **“Solexia”** 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
36%	0.29	0.27	0.21	0.24	25%

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

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

**Outdoor Appearance:** Reflective light-green

**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) “Atlantica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Atlantica”** 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
32%	0.29	0.27	0.19	0.22	20%

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

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

**Outdoor Appearance:** Reflective emerald-green

**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) “Azuria®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Azuria”** 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
32%	0.29	0.27	0.19	0.22	21%

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

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

**Outdoor Appearance:** Reflective aqua-blue

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

## Type: Low-E Reflective Insulating Glass

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

**Outdoor Lite:** **“Optiblu”** 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
30%	0.29	0.27	0.20	0.23	19%

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

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

**Outdoor Appearance:** Reflective steel blue-gray

**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) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** 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
20%	0.29	0.27	0.16	0.19	11%

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

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

**Outdoor Appearance:** Reflective deep-blue

**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) “Solarblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarblue”** 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
26%	0.29	0.27	0.19	0.22	15%

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

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

**Outdoor Appearance:** Reflective light sky-blue

**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 Products 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: Low-E Tinted Reflective Insulating Glass

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

**Outdoor Lite:** **“Solargray”** 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
21%	0.29	0.27	0.17	0.19	12%

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

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

**Outdoor Appearance:** Reflective cool 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	0.22	18%

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

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

**Outdoor Appearance:** Reflective ultra-neutral, light-gray

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

**Outdoor Lite:** Clear 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
51%	0.29	0.27	0.23	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 Products 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: Solar Control Ultra-Clear Low-E Insulating Glass

“Solarban®” 90 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

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

**Indoor Lite:** “Starphire” 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
54%	0.29	0.27	0.23	0.26	13%

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

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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: Low-E Tinted Reflective Insulating Glass

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

**Outdoor Lite:** “Solexia” 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
44%	0.29	0.27	0.22	0.26	10%

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

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

**Outdoor Appearance:** Light-green

**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) “Atlantica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Atlantica”** 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
39%	0.29	0.27	0.20	0.23	9%

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

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

**Outdoor Appearance:** Emerald-green

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

## Type: Low-E Tinted Reflective Insulating Glass

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

**Outdoor Lite:** **“Azuria”** 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
39%	0.29	0.27	0.21	0.24	9%

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

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

**Outdoor Appearance:** Aqua-blue

**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) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** 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
24%	0.29	0.27	0.17	0.19	6%

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

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

**Outdoor Appearance:** Deep-blue

**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) “Solarblue®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solarblue”** 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
32%	0.29	0.27	0.19	0.22	8%

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

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

**Outdoor Appearance:** Light sky-blue

**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 Products 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 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 Products 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 Low-E Tinted Insulating Glass

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

**Outdoor Lite:** **“Solargray”** 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
26%	0.29	0.27	0.17	0.19	6%

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

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

**Outdoor Appearance:** Cool light-gray

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

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

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

**Outdoor Lite:** **“Solarban 90 (2) Optiblue”** 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
37%	0.29	0.27	0.20	0.22	8%

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

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

**Outdoor Appearance:** Steel blue-gray

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

**Type: Solar Control Low-E Tinted Insulating Glass**

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

**Outdoor Lite:** “Solexia” 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
44%	0.29	0.27	0.30	0.34	16%

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

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

**Outdoor Appearance:** Light-green

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

**Type: Solar Control Low-E Tinted Insulating Glass**

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

**Outdoor Lite:** “Atlantica” 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
39%	0.29	0.27	0.26	0.30	13%

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

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

**Outdoor Appearance:** Emerald-green

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

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

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

**Outdoor Lite:** **“Azuria”** 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
39%	0.29	0.27	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 Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Aqua-blue

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

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

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

**Outdoor Lite:** **“Pacifica”** 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
24%	0.29	0.27	0.21	0.24	8%

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

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

**Outdoor Appearance:** Deep-blue

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

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

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

**Outdoor Lite:** **“Solarblue”** 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
32%	0.29	0.27	0.25	0.29	10%

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

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

**Outdoor Appearance:** Deep-blue

**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 Products 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 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

**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 Products 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 Low-E Tinted Insulating Glass

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

**Outdoor Lite:** “Solargray” 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

**Glass Location:** Third Surface (3)

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
25%	0.29	0.27	0.22	0.25	8%

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

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

**Outdoor Appearance:** Cool light-gray

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

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

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

**Outdoor Lite:** **“Graylite”** II 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
5%	0.29	0.27	0.11	0.13	4%

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

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

**Outdoor Appearance:** Dark-gray

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

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

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

**Outdoor Lite:** **“Optiblue”** 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
37%	0.29	0.27	0.27	0.32	12%

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

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

**Outdoor Appearance:** Steel blue-gray

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

## REFLECTIVE GLASS

### Type: Reflective Tinted Insulating Glass

“Solarcool®” (2) “Solexia®” + Clear

**Outdoor Lite:** “Solexia” 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
27%	0.47	0.50	0.31	0.36	24%

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

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

**Outdoor Appearance:** Reflective light-green

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

### Type: Reflective Tinted Insulating Glass

“Solarcool®” (2) “Azuria®” + Clear

**Outdoor Lite:** “Azuria” 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
24%	0.47	0.50	0.25	0.29	20%

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

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

**Outdoor Appearance:** Reflective aqua-blue

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

**Type: Reflective Tinted Insulating Glass**

**“Solarcool®” (2) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** “Pacifica” 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
15%	0.47	0.50	0.25	0.29	10%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

**Type: Reflective Tinted Insulating Glass**

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

**Outdoor Lite:** “Solarblue” 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
20%	0.47	0.50	0.32	0.37	15%

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

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

**Outdoor Appearance:** Reflective light sky-blue

**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 Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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®” (2) “Solargray®” + Clear

**Outdoor Lite:** “Solargray” 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
16%	0.47	0.50	0.32	0.36	11%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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

## Type: Reflective Tinted Insulating Glass

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

**Outdoor Lite:** **“Solexia”** 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
27%	0.47	0.50	0.28	0.32	37%

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

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

**Outdoor Appearance:** Reflective light-green

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

## Type: Reflective Tinted Insulating Glass

**“Solarcool®” (1) “Pacifica®” + Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Pacifica”** 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
14%	0.47	0.50	0.21	0.24	36%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

## Type: Reflective Tinted Insulating Glass

“Solarcool®” (1) “Azuria®” + Clear

**Outdoor Lite:** “Azuria” 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
23%	0.47	0.50	0.21	0.25	37%

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

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

**Outdoor Appearance:** Reflective aqua-blue

**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 Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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) “Solarblue®” + Clear**

**Outdoor Lite:** **“Solarblue”** 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
19%	0.47	0.50	0.29	0.33	37%

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

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

**Outdoor Appearance:** Reflective light sky-blue

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

## Type: Reflective Tinted Insulating Glass

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

**Outdoor Lite:** **“Solargray”** 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
15%	0.47	0.50	0.28	0.32	36%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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



## REFLECTIVE LOW-E GLASS

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

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

**Outdoor Lite:** **“Pacifica”** 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
13%	0.29	0.27	0.15	0.17	10%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

**Outdoor Lite:** **“Solexia”** 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
24%	0.29	0.27	0.19	0.22	24%

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

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

**Outdoor Appearance:** Reflective light-green

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

**Outdoor Lite:** “Azuria” 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
21%	0.29	0.27	0.17	0.19	19%

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

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

**Outdoor Appearance:** Reflective aqua-blue

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

**Outdoor Lite:** “Solarblue” 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:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Reflective light sky-blue

**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:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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) “Solargray®” + “Solarban®” 60 (3) Clear** by Vitro Architectural Glass

**Outdoor Lite:** **“Solargray”** 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
14%	0.29	0.27	0.17	0.20	11%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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

**Outdoor Lite:** “Solexia” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
22%	0.28	0.26	0.17	0.20	24%

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

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

**Outdoor Appearance:** Reflective light-green

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

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
19%	0.28	0.26	0.15	0.18	19%

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

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

**Outdoor Appearance:** Reflective aqua-blue

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

**Outdoor Lite:** “Pacifica” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
12%	0.28	0.26	0.13	0.15	10%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

**Outdoor Lite:** “Solarblue” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
16%	0.28	0.26	0.15	0.18	14%

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

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

**Outdoor Appearance:** Reflective light sky-blue

**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®” 70XL (3) † by Vitro Architectural Glass

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

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

† **Solarban** 70XL for annealed applications is applied to **Starphire** glass; heat-treated applications will require either clear or **Starphire** 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 Products 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) “Solargray®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) glass by Vitro Architectural Glass, Sputter Coated on third surface (3)

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

**Location:** Third Surface (3)

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

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
13%	0.28	0.26	0.14	0.16	11%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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

**Outdoor Lite:** “Solexia” 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
18%	0.29	0.27	0.16	0.19	24%

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

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

**Outdoor Appearance:** Reflective light-green

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

**Outdoor Lite:** “Solexia” 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
17%	0.29	0.27	0.14	0.16	38%

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

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

**Outdoor Appearance:** Reflective light-green

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

**Outdoor Lite:** “Azuria” 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
16%	0.29	0.27	0.15	0.17	20%

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

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

**Outdoor Appearance:** Reflective aqua blue

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

**Outdoor Lite:** “Azuria” 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
15%	0.29	0.27	0.13	0.15	37%

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

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

**Outdoor Appearance:** Reflective aqua blue

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

**Outdoor Lite:** “Pacifica” 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
10%	0.29	0.27	0.13	0.15	10%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

**Outdoor Lite:** “Pacifica” 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
9%	0.29	0.27	0.11	0.12	37%

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

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

**Outdoor Appearance:** Reflective deep-blue

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

**Outdoor Lite:** **“Solarblue”** 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
13%	0.29	0.27	0.15	0.17	15%

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

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

**Outdoor Appearance:** Reflective light sky-blue

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

**Outdoor Lite:** **“Solarblue”** 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:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Reflective light sky-blue

**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:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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®” (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:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products 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) “Solargray®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” 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
10%	0.29	0.27	0.14	0.16	11%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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

**Outdoor Lite:** “Solargray” 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
10%	0.29	0.27	0.11	0.13	37%

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

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

**Outdoor Appearance:** Reflective cool light-gray

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

## SUBTLY REFLECTIVE SOLAR CONTROL LOW-E INSULATING GLASS

### Type: Subtly Reflective Tinted Insulating Glass

“Vistacool®” (2) “Azuria®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass

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

**Reflective Coating:** “Vistacool” 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
47%	0.47	0.50	0.34	0.39	21%

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

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

**Outdoor Appearance:** Subtly reflective aqua-blue

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

### Type: Subtly Reflective Tinted Insulating Glass

“Vistacool®” (2) “Pacifica®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Pacifica” Glass by Vitro Architectural Glass

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

**Reflective Coating:** “Vistacool” 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%	0.47	0.50	0.32	0.37	11%

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

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

**Outdoor Appearance:** Subtly reflective deep-blue

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

**Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass**

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

**Outdoor Lite:** “Azuria” 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:** “Vistacool” 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	0.26	0.30	20%

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

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

**Outdoor Appearance:** Subtly reflective aqua-blue

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

**Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass**

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

**Outdoor Lite:** “Pacifica” 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:** “Vistacool” 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
26%	0.29	0.27	0.21	0.25	11%

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

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

**Outdoor Appearance:** Subtly reflective deep-blue

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

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

“Vistacool®” (2) “Azuria®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

**Reflective Coating:** “Vistacool” by Vitro Architectural Glass

**Location:** Second Surface (2)

† **Solarban** 70XL for annealed applications is applied to **Starphire** glass; heat-treated applications will require either clear or **Starphire** 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	0.24	0.27	21%

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

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

**Outdoor Appearance:** Subtly reflective aqua-blue

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

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

“Vistacool®” (2) “Pacifica®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

**Outdoor Lite:** “Pacifica” Glass by Vitro Architectural Glass

**Indoor Lite:** “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †

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

**Location:** Third Surface (3)

**Reflective Coating:** “Vistacool” by Vitro Architectural Glass

**Location:** Second Surface (2)

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

### Performance Values

Visible Light Transmittance	U-Value Winter	U-Value Summer	SHGC	Shading Coefficient	Outdoor Visible Light Reflectance
24%	0.28	0.26	0.19	0.22	11%

**Approved Manufacturers:** VITRO ARCHITECTURAL GLASS Recommended Fabricator Required

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

**Outdoor Appearance:** Subtly reflective deep-blue

**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**

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

**Outdoor Lite:** **“Azuria”** 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:** **“Vistacool”** 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	0.23	0.26	23%

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

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

**Outdoor Appearance:** Subtly reflective aqua-blue

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

**Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass**

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

**Outdoor Lite:** **“Pacifica”** 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:** **“Vistacool”** 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%	0.29	0.27	0.18	0.21	12%

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

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

**Outdoor Appearance:** Subtly reflective deep-blue

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