PRODUCT DESCRIPTION

Solarban Champane™ low-e glass reflects warm, neutral champagne tones achieved through its innovative low-e coating – the first of its kind in the industry – rather than the glass itself, creating a distinctive aesthetic without impacting thermal performance.

SOLARBAN CHAMPANE™ PRODUCT DETAILS AND AVAILABILITY

To provide multiple variations of designs *Solarban Champane*™ is available on multiple substrates. *Solarban Champane*™ is only available in a Heat Treatable version and must be fully Tempered or Heat Strengthened. There is no annealed version of *Solarban Champane*™available.

- Currently available on five Substrates: *Clear, Starphire®, Acuity®, Solarbronze®, Optigray®*
- Glass Thickness: *6mm, 8mm, & 10mm*
- Glass Sizes: 96*/130, 100/144, 130x204, 130/240 Titan*
- Can be used in combination with all Vitro *Bird Smart®* products
- *Solarban Champane*™ cannot be used in combination with Tech Glass 2nd Surface Ink

Heat Treating Guidelines

The coating on *Solarban Champane*™ on glass is permanent, allowing the glass to be heat treated to satisfy increased strength or safety glazing requirements. While heat treating *Solarban Champane*™ coated glass, face the coating away from the furnace rolls to reduce the risk of introducing scratches to the coated surface. Process the glass the same as *Solarban® R77*. If reflective coatings have not been used in the past use your standard *Solarban® 60* recipe based on the substrate being used as a starting point and decrease the glass heat cycle time by 3% to compensate for the reflective coating. **Turn off SO_2 in the furnace.** Coating degradation or damage can occur if SO_2 is applied due to SO_2 reducing the atmosphere in the furnace.

SOLAR PERFORMANCE VALUES [1]

Insulated Glass Unit Performance Comarisons 1-inch units (25mm) units with ½ inch (13mm) airspace and two ¼- inch (6mm) lites

Solarban® Product		Transmittance	Visible Light Reflectance		NFRC U-Value (BTU/hr°ft²°F)		Solar Heat Gain Coefficient	Color Rendering (CRI)
Coating	Substrate	Visible (%)	Exterior (%)	Interior (%)	Winter Nighttime	Winter w/Argon		
Champane™	Clear + Clear	45	26	12	0.29	0.24	0.25	90
Champane™	Acuity® + Acuity®	46	27	11	0.29	0.24	0.26	92
Champane™	Starphire® + Starphire®	47	27	12	0.29	0.24	0.26	93
Champane™	Solarbronze® + Clear	26	12	11	0.29	0.24	0.19	95
Champane™	Optigray® + Clear	31	14	11	0.29	0.24	0.21	88

[1] Figures may vary due to manufacturing tolerances. All tabulated solar performance data are based on the methodology prescribed in ISO 9050, 2003 except Infrared, which is based on the solar irradiance data prescribed by ISO 9050, 2003 from 780 to2500 nm. Slight changes in transmitted optical properties may occur on exposure to sunlight.

SUSTAINABILITY

To provide architects with the assurance and documentation they need to meet and verify their sustainability goals, Vitro Architectural Glass participates in a range of programs and initiatives. Resources available include, but are not limited to:

Type III Environmental Product Declarations
Cradle to Cradle Certifiied™ Bronze with associated Gold Material Health Certificate
LEED® and Living Building Challenge documentation
Material Ingredient Disclosure and Safety Data Sheets
Annual Corporate Sustainability ReportFurther information is available through VitroGlazings.com or by calling 855-887-6457 (VTRO GLS)