

## Coatings on Vitro Starphire® Glass

*Starphire*® glass is characterized by its brilliance, clarity, and high light transmittance. These characteristics make *Starphire*® glass the obvious substrate choice when true color rendition is required of coatings on glass such as ceramic frit or vacuum sputtered coatings.

To avoid transmitted or reflected color mismatch, Vitro Architectural Glass (formerly PPG Industries) recommends that these coatings be consistently applied to the atmosphere (air or top) side of *Starphire*® glass and not to the tin (bottom) surface of the glass (the surface in contact with the molten tin inside the bath).

The atmospheric and tin surfaces of float glass can be positively identified and differentiated using a small, hand-held short wave ultraviolet lamp (=254 nm; wavelength). Exposure of the tin surface to ultraviolet radiation causes the extremely minute amount of tin on this bottom surface to fluoresce, or glow slightly on reflection. The top surface may exhibit some fluorescence, but the bottom will always show more.

This method of identifying the two surfaces of float glass applies to all float glass, independent of the glass substrate color or manufacturer.

A recommended ultraviolet lamp is the UVG-11 Mineralight® lamp manufactured by UVP, Inc. (Mineralight is a registered trademark of UVP, Inc.). For further information contact:

**UVP, Inc.**

Upland, CA USA 91786

(800) 452-6788

*Caution: Ultraviolet radiation can be damaging to the eyes and skin. Protective shielding may be required. Please contact UVP, Inc., for current product availability and recommended safety practices.*

Ultraviolet Lamp information is located at  
[http://www.uvp.com/html/ultraviolet\\_products.html](http://www.uvp.com/html/ultraviolet_products.html)



**Setagaya Business Square**

Tokyo, Japan

*Starphire* Glass / White Frit Spandrels

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HISTORY TABLE		
ITEM	DATE	DESCRIPTION
Original Publication	11/19/1992	
Revision #1	11/30/2001	Revised & transferred to TD-104
Revision #2	2016-10-04	Updated to Vitro Logo and format

This document is intended to inform and assist the reader in the application, use, and maintenance of Vitro Flat Glass products. Actual performance and results can vary depending on the circumstances. **Vitro makes no warranty or guarantee as to the results to be obtained from the use of all or any portion of the information provided herein, and hereby disclaims any liability for personal injury, property damage, product insufficiency, or any other damages of any kind or nature arising from the reader's use of the information contained herein.**