ULTRA-VIOLET PRODUCTS

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Application Bulletin
UVP-AB-101

USE OF ULTRAVIOLET LAMPS IN IDENTIFICATION OF AIR/TIN SIDE OF GLASS

APPLICATION:	Identification of Air/Tin side of glass
WAVELENGTHS/ LAMPS USED:	Shortwave 254nm ultraviolet; Models R-52 and UVG-11
FIELD OF USE:	Auto/Architectural glass industries
BACKGROUND:	Float glass production involves the "Floating" of molten tin. The side of glass contacting the tin is referred to as the tin side while the other side is referred to as the air or atmosphere side. Identification of the air or tin side is important to end users since certain procedures are specific for one side or the other. For example, the atmosphere side is generally preferred for testing due to less variability in results. The tin side is the choice for certain coatings since a richer color can be achieved.
PROCEDURE:	Identification of the air/tin side of glass is easily determined by illuminating the glass with a shortwave ultraviolet lamp in a darkened area. The side that fluoresces cloudy green is the tin side.
PRIMARY ADVANTAGES OF THIS METHOD:	Identification of the air/tin side of glass by shortwave UV is the quickest, easiest, and most popular method available.