

## Stabrite® 6100 EL

### RED-ORANGE FLUORESCENT VINYL FILM

Stabrite® EL is a unique **extended** life fluorescent vinyl film for use in exterior applications where high visibility, outstanding conspicuity and long-term durability are required. Stabrite® EL contains an optically clear, UV resistant over laminate for prolonged exposure to weather.

**CERTIFICATIONS:** United States Coast Guard G-ECV-473A, ASAE S276.7, ASAE S279.17, ISO FM65315

**ATTRIBUTES:**

- Vivid green fluorescent color immediately draws the attention of the eye and mind
- Provides conspicuity in low light conditions such as twilight, dawn, inclement weather and dimly lit indoor environments
- Reflects visible light present and absorbs light from low energy wavelengths, converting it to visible wavelengths
- Emits up to 200% of the incident visible light for a given color
- Superior resistance to outdoor weathering and fading

**CONSTRUCTION:**

Face Film	7 mil rigid vinyl film
Adhesive	Pressure sensitive with permanent bond
Release Liner	Bleached kraft paper with silicone release

**COLOR:**

Red-Orange:	Before exposure
Dominant Wavelength (nm):	602 - 610
Purity %:	95 minimum
Luminance %:	38 minimum
Peak Reflectance (observable at wavelength nearest dominant):	180 minimum

**PHYSICAL PROPERTIES:**

Outdoor Durability:	5 years, when properly applied
Minimum Surface Application Temperature:	50°F
Application Surface:	flat, simple curves
Service Temperature Range:	-40°F to 176°F
Film Caliper:	8.5 mil plus adhesive and liner
Chemical Resistance:	most mild acids, alkalis and salt solutions
Peel Adhesion – 24 hr (PSTC-1):	75 oz/in on stainless steel
Shelf Life:	2 years when stored at 72°F and 50% RH

*The information outlined here represents average values. Product performance will vary in each application and is dependent upon composite construction. FLEXcon Industrial does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of the products in a specific application. Data is representative and not intended as a manufacturing specification.*