



TECHNICAL DATA SHEET

STABRITE® 5000

Green Fluorescent Vinyl Film

Stabrite® 5000 is a unique long life fluorescent vinyl film for use in exterior applications where high visibility, outstanding conspicuity and long-term durability are required.

CERTIFICATIONS

ASAE S276.7, S279.17, ISO FM65315

PRODUCT 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
- Printable via solvent inkjet, solvent screen, UV flexo, UV inkjet and UV screen

CONSTRUCTION	
FACE FILM	7 mil rigid vinyl film
ADHESIVE	Pressure-sensitive with permanent bond
RELEASE LINER	Bleached kraft paper with silicone release

COLOR	
CONSTRUCTION GREEN	BEFORE EXPOSURE
DOMINANT WAVELENGTH (nm)	530 - 560
PURITY %	95 minimum
LUMINANCE %	35 minimum
PEAK REFLECTANCE (observable at wavelength nearest dominant)	175 minimum

Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations 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 this product. Data is representative and not intended as a manufacturing specification.



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REPRESENTATIVE PHYSICAL PROPERTIES

PROPERTY	VALUE
OUTDOOR DURABILITY	3 years, when properly applied
MINIMUM SURFACE APPLICATION TEMPERATURE	40°F
APPLICATION SURFACE	Flat, simple curves
SERVICE TEMPERATURE RANGE	-40°F to 176°F
FILM CALIPER	7 mil plus adhesive and liner
CHEMICAL RESISTANCE	Most mild acids, alkalis, and salt solutions
PEEL ADHESION - 24 HR (PSTC-1, stainless steel)	75 oz/in on stainless steel
SHELF LIFE	2 years when stored at 72°F and 50% RH

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