

# Product Bulletin

## PHOSPHORESCENT POLYESTER PERMANENT ADHESIVE

A 2.0 mil light green print-treated polyester film with 207-4841 pigmented permanent acrylic pressure sensitive adhesive on a 90# layflat liner. This film is designed to accept a variety of UV curable and solvent-based screen inks. May also be used with flexographic, offset and letterpress inks but must be tested prior to use.

### Applications

Product identification markings, decorative decals and name-plates.

Note: Phosphorescent film may not meet state and local codes for use as safety film in your area. Check local regulations

### Thickness

Film & Phosphorescent Coating	4.0 to 4.5 mils.
Adhesive	1.4 to 1.6 mils.
Liner	6.7 mils.

(Thickness variation +/- 10%)

### Dimensional Stability Temperature Ranges

Excellent.  
Minimum application temperature +50°F.  
Service temperature range -40°F to +250°F.

### Expected Lifetime Exterior

Not recommended for outdoor use.

### Adhesion

To stainless steel 45 oz/inch.  
PSTC-101 Method A with 24 hour dwell at 70°F and 50% relative humidity. Typical values. Individual values may vary. Test thoroughly before production.

### Light Exposure for Maximum Brightness

Sunlight, Clear	5 minutes	Office Fluorescent	15 minutes
Sunlight, Cloudy	5 minutes	Home Fluorescent	30 minutes

### Peak Emission Wave Length

530 nm

### Afterglow Brightness

20-30 mcd/m<sup>2</sup>  
Brightness after 20 min. excitation with D<sub>65</sub> illuminant for 4 min @ 200lx.

### Afterglow to Conditioned Eye

Up to 200 minutes  
Time span necessary for afterglow to diminish to .32 mcd/m<sup>2</sup>.  
Human eye perception limit.

### Water Resistance Humidity Resistance Storage Stability

Excellent.  
Excellent.  
1 year shelf life when stored at 70° F and 50% relative humidity.

### Product Code

C2-PHOS-STC-P/90#



**Manufacturer of Pressure Sensitive Films,  
Traffic Graffice Floor Advertising Films,  
Custom Coatings and Printing Inks.**

309 S. Union • P.O. Box 158 • Sparta, Michigan 49345 • (616) 887-7387 • (800)253-3664 • FAX (616)887-0537  
Web Site: [www.generalformulations.com](http://www.generalformulations.com) • e-mail: [gfiinfo@generalformulations.com](mailto:gfiinfo@generalformulations.com)

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose. The products are sold without warranty, either express or implied. The purchaser should refer to General Formulations, Inc's Price List for Terms and Conditions or Sale, Including Disclaimer of Warranties and Limitation of Liability.