

SolarFlex™ UVF Photon White

Technical Data Sheet

SolarFlex UVF Photon Opaque White is a UV flexo first down white formulated using today's newest technology. It is a low cost option for high opacity, high adhesion, low odor narrow web applications.

Typical Characteristics and Features

SolarFlex UVF Photon Opaque White Ink is formulated to have the following properties:

- High opacity and excellent printability for maximum covering power
- Low viscosity for optimum flow and transfer
- Easy clean up from aniloxes
- Excellent cure at press speeds up to 750/fpm+
- Suitable for lamination work. Provides destruct bonds in most cases.
- High chemical and product resistance
- Excellent adhesion to problematic films
- Suitable for low odor applications

Technical Information and ink handling

Viscosity

Low viscosity product. Supplied press ready. Pump-able to press.

Compatability

SolarFlex UVF Photon Opaque White can be laminated, overprinted, stamped, and glued.

Note: Should always be pre-tested to ensure ink performance.

Doctor blades

Hardened-edge single or chambered doctor blades are recommended.

Cure

SolarFlex UVF Photon Opaque White ink is formulated press-ready and provides required cure rates for high speed printing. The UV-cure rates are proportional to available UV lamp output capacity, film weight, and applied color density. For most applications, a minimum of 50 mJ/cm² is recommended, however some applications may require more energy. A program of regular reflector maintenance and lamp replacement is beneficial in achieving the highest press productivity, efficiency and performance with all UV-curable inks.

Description	EMG	SAP 5-Gallon Pail	SAP 1 Gallon Jug
UVF Photon White	NWUV-1545	91695426	91695427

Substrates

SolarFlex UVF Photon Opaque White ink can be used with the following:

- Suitable for use on most treated films/substrates
- Coated metallized films/substrates
- Coated papers and paperboards

A minimum film surface energy of 42 dynes/centimeter is recommended for optimal adhesion when using these inks.

Note: Substrates must be pre-tested to ensure ink performance.

Clean-up

SolarFlex UVF Photon Opaque White is cleaned using standard press washes recommended for use with Curable inks, such as Sun Chemical Rycoline® SunClean TL for manual cleaning or SunVisto Autowash 200 for use with automatic cleaning systems.

Storage Considerations

Similar to other UV-curable inks, to maximize SolarFlex UVF Photon Opaque White ink shelf life, these inks should be stored in closed opaque containers at temperatures between 40°F-90°F (5-32°C).

Safety, Health and Environment

SolarFlex UVF Photon Opaque White ink is to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information. Safety Data Sheets will be supplied.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

