

# SolarWave™ UV XF Flexo LED

## Technical Data Sheet

SolarWave UV XF Flexo LED inks are formulated to provide flexographic printers with high performance and color consistency. These inks can be produced on the Mx12 Hybrid Dispenser or as finished system for easy blending, exhibiting exceptional print density and cure characteristics. Excellent adhesion is achieved on a wide range of non-porous films, foils, and paper. Formulated for dual cure capabilities on standard mercury vapor lamps and LED at 395 nanometers.

### Typical Characteristics and Features

SolarWave UV XF Flexo LED inks are formulated to have the following properties:

- Formulated without benzophenone or ITX photoinitiators
- Outstanding dot reproduction
- High pigmentation ideal for use with newest anilox technology
- Optimal flow and transfer
- Fast cure for high web speeds
- High chemical and product resistance

### Technical Information and ink handling

#### Viscosity

500-1200 centipoise (cps) @ 77°F (25°C). Inks are pumpable (peristaltic pumps recommended).

#### Anilox

Process: 800-1800 lpi / 0.8-2.1 bcm  
Spot Colors: 360-800 lpi / 2.1-5.0 bcm  
Opaque white: 280-600 lpi / 2.1-6.1 bcm

#### Colors

SolarWave UV XF Flexo LED inks are available as follows:

- Process colors
- Blending colors
- High-opacity white
- Color matching database provided with every dispenser installation

### Doctor Blades

Recommended

### Compatibility

Overprintable, stampable, and glueable with testing.

### Substrate recommendations

SolarWave UV XF Flexo LED inks can be used on:

- Treated or coated polyethylene (PE), polypropylen (PP), oriented polypropylene (OPP), polyester (PET), and polyvinyl chloride (PVC) films
- Coated metallized substrates
- A minimum film surface energy of 40-44 dynes / centimeter (cm) is recommended for optimal adhesion
- Coated paper and paperboard

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

### Storage Considerations

To maximize shelf life, all UV-curable inks should be stored in closed opaque containers at temperatures between 40-90°F (5-32°C).

### Safety, Health and Environment

SolarWave UV XF Flexo LED inks should 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.



# SolarWave™ UV XF Flexo LED

## Technical Data Sheet

DESCRIPTION	EMG Number	SAP Code 1-GAL Pail	SAP Code 1-GAL Jug	SAP Code 5-GAL Pail
UVF LED XF PRO MAGENTA	TPCFV4486888	91626521	91625002	91664164
UVF LED XF PRO YELLOW	TPCFV2486889	91626520	91625003	91664165
UVF LED XF PRO CYAN	TPCFV5486887	91626681	91625018	91664155
UVF LED PROCESS BLACK	TPCFV9486947	91641848	91643495	91664202
UVF LED XF ECG REFLEX BLUE	TPCFV5486949	TBD	91644091	91701387
UVF LED XF ECG GREEN	TPCFV7486950	TBD	91644112	91701386
UVF LED XF ECG BL VIOLET	TPBFV6486809	91584682	91609248	91701490
<b>BLENDING INKS</b>				
UVF LED BLENDING G/S YELLOW	TPBFV2486802	91584425		
UVF LED BLENDING R/S YELLOW	TPBFV2486803	91584560		
UVF LED BLENDING ORGANGE	TPBFV3486804	91584499		
UVF LED XF BLEND WARM RED	TPCFV4486948	91643976 (G267)		
UVF LED BLENDING RUBINE	TPBFV4486806	91584545		
UVF LED BLENDING Y/S RHODAMINE	TPBFV4486807	91584608		
UVF LED BLENDING QUINDO RED	TPBFV4486808	91584609		
UVF LED BLENDING VIOLET	TPBFV6486809	91584682		
UVF LED BLENDING PHTHALO BLUE	TPBFV5486810	91584681		
UVF LED XF BLEND REFLEX BLUE	TPCFV5486949	91644091 (G267)		
UVF LED XF BLENDING GREEN	TPCFV7486950	91644112 (G267)		
UVF LED BLENDING NEUT. BLACK	TPBFV9486812	91584683		
UVF LED L/D VEHICLE	TPAFV0486369	91609388 (G267)		
UVF LED L/D VEHICLE	TPAFV0486369	91526716 (K509) (5G Pail)		

DESCRIPTION	EMG Number	GFI Cartridge	BWS
UVF Opaque White Dispersion	14217-4407	91580946	8
UVF Perm G/S Yellow Dispersion	2715194-4407-1	91680467	7
UVF G/S Yellow Dispersion	22439-4407	91581003	4
UVF H/R Yellow Dispersion	22317-4407	91632777	6
UVF R/S Yellow Dispersion	22247-4407	91664071	7
UVF Perm Orange Dispersion	32191-4407	91621768	6
UVF Trans Orange Dispersion	03200018-4407	91697474	3
UVF Y/S Napthol Dispersion	46879-4407-1	91669251	5
UVF Rubine Dispersion	04230024-4407-2	91676665	3
UVF Quindo Dispersion	46537-4407-1	91661930	8
UVF Phthalo Blue Dispersion	52241-4407-1	91667892	8
UVF Carb Violet Dispersion	6047-4407-1	91624784	8
UVF Green Dispersion	72119-4407	91581231	8
UVF Black Dispersion	90279-4407	91581232	8
UVF Black Dispersion	90401-4407	91581240	8

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.

