

SolarFlex™ Max D 1.5 UV Flexo Inks

Technical Data Sheet

SolarFlex Max D 1.5 UV Flexo inks provide the high density and excellent cure for vibrant graphics and consistent performance on a wide range of films, foils and sand papers.

Typical Characteristics and Features

SolarFlex Max D 1.5 UV Flexo inks are formulated to have the following properties:

- High level dot reproduction
- Ideal for use with smaller cell size anilox technology
- Can be used for shrink applications
- Optimal flow and transfer
- Excellent cure at high press speeds
- High chemical and product resistance

Technical Information and ink handling

Color range

Available as process or a full range of finished blending inks. Can also be provided as finished spot colors.

Viscosity

500-1500 (cps) @ 77°F (25°C). These inks are supplied press-ready and are pumpable (peristaltic pumps recommended).

Compatibility

SolarFlex Max D 1.5 UV Flexo inks can be overprinted, stamped and glued.* Recommended for combination printing over Sun Chemical SolarScreen silicone-free UV Rotary Screen white ink and SolarFlex Platinum UV Flexo High Opacity White. MaxD UV Flexo inks exhibit very low flexo plate swell.

*Note: Substrate must be pretested to ensure ink performance.

Doctor Blades

Using a UV-curable doctor blade metering system is recommended.

Substrates

SolarFlex Max D 1.5 UV Flexo inks can be used with the following:

- Treated or coated polyethylene (PE), polypropylene (PP), oriented polypropylene (OPP), polyester (PET), and polyvinyl chloride (PVC) films
- Coated metallized substrates
- Coated paper and paperboard

A minimum film surface energy of 38-42 dynes/centimeter is recommended for optimal adhesion when using these inks.

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

Cure

SolarFlex Max D 1.5 UV Flexo inks are formulated press ready and provide excellent cure. rates for high speed printing. The UV-cure rates are proportional to available UV lamp output capacity, film weight, and applied color densities. A minimum of 60 mJ/cm² is recommended.

Clean-up

SolarFlex Max D 1.5 UV Flexo inks are cleaned using standard press washes recommended for use with UV-curable inks, such as Sun Chemical Rycoline® SunClean TL for manual cleaning or SunVisto Autowash 200 for use with automatic cleaning systems.

Storage Considerations

SolarFlex Max D 1.5 UV Flexo inks should be stored in closed opaque containers at temperatures between 40-90°F (5-32°C).

Safety, Health and Environment

SolarFlex Max D 1.5 UV Flexo inks are 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.



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Description	EMG Number	SAP Number 1-Gal Jug	SAP Number 1-Gal Pail	SAP Number 5-Gal	SAP Number Drum	BWS
SolarFlex Max D 1.5 Pro Yellow	NWUV-1513	91679775	91715329	91679774	91679773	4
SolarFlex Max D 1.5 Pro Magenta	NWUV-1514	91681958	91715328	91681957	91681956	3
SolarFlex Max D 1.5 Pro Cyan	NWUV-1512	91679786	91715327	91679785	91679784	8
SolarFlex Max D 1.5 Pro Black	NWUV-1546	91695472	91715326	91695471	91695470	8
SolarFlex Max D 1.5 Dense Black	NWUV-1536	91689692	91715490	91689681	91689690	8
SolarFlex Max D Extender	FLLFV0481846	90003070	91715491	90003072	90003067	N/A
SolarFlex Max D 1.5 Perm G/S Yellow	NWUV-1518	91693015	91715494	91693014	91693013	7
SolarFlex Max D 1.5 G/S Yellow	NWUV-1509	91679322	91715492	91679321	91679320	4
SolarFlex Max D 1.5 H/R Yellow	NWUV-1519	91679822	91715495	91679821	91679820	6
SolarFlex Max D 1.5 R/S Yellow	NWUV-1520	91682632	91715496	91682631	91682630	7
SolarFlex Max D 1.5 Perm Orange	NWUV-1521	91680691	91715498	91680690	91680649	6
SolarFlex Max D 1.5 Trans Orange	NWUV-1539	91699193	91715497	91699192	91699191	3
SolarFlex Max D 1.5 Perm Warm Red	NWUV-1591	91712193	91715502	91712192	91712191	7
SolarFlex Max D 1.5 Warm Red	NWUV-1505	91680826	91715500	91680825	91670973	5
SolarFlex Max D 1.5 Perm B/S Red	NWUV-1601	91714874	91715527	91714873	91714872	8
SolarFlex Max D 1.5 Rubine	NWUV-1523	91681152	91715503	91681151	91681150	3
SolarFlex Max D 1.5 Quinacridone	NWUV-1531	91686075	91715700	91686074	91686073	8
SolarFlex Max D 1.5 Carbazole Violet	NWUV-1569	91716338	91718914	91716337	91716336	8
SolarFlex Max D 1.5 Y/S Rhodamine	NWUV-1527	91693205	91715519	91693204	91693203	3
SolarFlex Max D 1.5 B/S Rhodamine	NWUV-1528	91693140	91715520	91692909	91692908	3
SolarFlex Max D 1.5 Green	NWUV-1525	91680627	91715508	91680626	91680625	8
SolarFlex Max D 1.5 Cyan	NWUV-1511	91679778	91715510	91679777	91679776	8
SolarFlex Max D 1.5 Imit Reflex Blue	NWUV-1541	91693242	91715513	91693241	91693240	8
SolarFlex Max D 1.5 Neutral Black	NWUV-1529	91680927	91715516	91680926	91680925	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.

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