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6800 Series UV LED (Light Emitting Diode) Flexo Ink is specifically formulated for Tag, Label and Packaging applications. These inks have excellent rheology characteristics making them ideal for most printing equipment and product applications.

These inks have been specifically formulated for use with 16W/cm² UV LED curing lamps, which have an output wavelength of 395nm.

APPLICATION AND USE

Substrates

Pressure sensitive vinyl, top coated and print treated polyester, BOPP films, polyethylene, polystyrene, coated paper & board, PETG, PVC shrink, direct thermal.

Anilox Rolls

Process Printing: 0.8 – 1.5 BCM
Solid & Line Printing: 2.5 – 3.5 BCM

Plates

6800 Series UV LED Flexo Ink is compatible with most UV Flexo plates currently on the market.

Printing

6800 Series UV LED Flexo Ink can be affected by stray UV light in and around a printing facility. Be aware of skylights, windows and overhead lights curing the ink. Light filters are recommended. Keep ink containers covered when not in use.

LED Cure Parameters

6800 Series UV LED Flexo Ink cures at web speeds in excess of 500 fpm (152m/min) when exposed to a 16W/cm² UV LED curing lamp, with an output wavelength of 395nm.

Additives

All additives should be thoroughly mixed into the ink before each use.

Please refer to the 6800 Series UV LED Flexo Additive guide for troubleshooting and usage information, or contact Nazdar for more information.

Clean Up

Use NWC10 EZ Cleaner.

Fade Resistance

6800 Series UV LED Flexo Inks are formulated with standard and fade resistant (FR) pigments.

Storage and Handling

6800 Series UV LED Flexo Ink is formulated to be press ready. Thoroughly mix the ink prior to printing. Maintain ink temperature at 65°-90°F (18°-32°C) for optimum print and cure performance.

To prevent premature cure or gelling, keep away from heat, flame and direct light sources.

Proper personal protection equipment is required when handling this material. Please consult MSDS for details on proper handling of this material.

Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

Performance Verification

After press/job set up is complete, inspect a portion of the printed web for all applicable and specified properties. These properties include but are not limited to: cure, adhesion, mar and rub resistance, product resistance, gloss, and coefficient of friction. These tests should be performed prior to beginning the full production run.

PRODUCT OFFERING

Process Colors

Standard process colors are formulated to print using an anilox volume of 0.8 -1.5 BCM.

Base Colors

Standard base colors are designed to be high strength, and formulated to print using anilox volume of 2.5 – 3.5 BCM. The colors can be mixed together to achieve an unlimited number of strong vibrant colors.

Packaging Per Container

Opaque White	11 lb, 50 lb
Base Transparent White	8 lb, 40 lb
Other Colors	9 lb, 45 lb
Overprint Varnish	8 lb, 40 lb

Stock No.	Base Printing Colors
6808	Base White/Blanco (BW8)
6809	Base Black/Negro (BW8)
6810	Base Transparent White/Blanco Use to reduce strength and viscosity.
6811	Base Yellow/Amarillo (BW5)
6812	Base Orange/Naranja(BW6)
6813	Base Warm Red/Rojo (BW5)
6814	Base Rubine Red/Rojo (BW4)
6815	Base Rhodamine Red/Rojo (BW4)
6816	Base Purple/Morado (BW4)
6817	Base Violet/Violeta (BW5)
6818	Base Reflex Blue/Azul (BW5)
6819	Base Process Blue/Azul (BW8)
6820	Base Green/Verde (BW8)
6860	Base Transparent White/Blanco Use to reduce strength.
68012	Base Yellow 012
68021	Base Orange 021
68032	Base Red 032
68072	Base Blue 072

Stock No.	Other Colors
6801	Opaque White
6849	Dense Black

Stock No.	Fade Resistant (FR) Colors
6821	FR Yellow/Amarillo (BW7)
6822	FR Orange/Naranja (BW7)
6823	FR Warm Red/Rojo (BW7)
6824	FR Rubine Red/Rojo (BW8)
6825	FR Rhodamine Red/Rojo (BW8)
6826	FR Purple/Morado (BW8)
6827	FR Violet/Violeta (BW8)
6828	FR Reflex Blue/Azul (BW8)

Stock No.	Process Colors
6841	Process Yellow/Amarillo (BW5)
6842	Process Magenta/Rojo (BW5)
6843	FR Process Cyan /Azul (BW8)
6844	FR Process Black/Negro (BW8)
6847	FR Process Yellow/Amarillo (BW7)
6848	FR Process Magenta/Rojo (BW8)

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

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Stock No.	Expanded Gamut Colors
Available on Request	Pantone Hexachrome
Available on Request	Esko Equinox
Available on Request	Opaltone

Stock No.	Additives
RE393	UV Reducer (Up to 10% by weight)
CARE97	Photoinitiator for dark colors
CARE71	Non Silicone Defoamer
CARE41	Silicone Leveling Agent

Stock No.	Cleaner
NWC10	EZ Cleaner

Other Available UV LED Products

OP61000 Gloss Varnish
 OP62001 Matte Varnish
 OP63001 Laminating Adhesive
 83601 Rotary Screen White
 Metallic colors available on request
 Specialty coatings available on request

Need more information?

If you have any questions or need additional information please contact us.

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