

UV Flexo Metallic Ink is specifically formulated for Tag and Label printing. The ink exhibits superior brilliance and has excellent rheology characteristics making it ideal for most printing equipment, and product applications.

SUBSTRATES

Pressure sensitive vinyls, top coated and print treated polyester, BOPP films, polyethylene, polystyrene and paper & board.

USER INFORMATION

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. See full disclaimer at the end of the document.

ANILOX ROLLS

200 – 440 lines (cells per inch) corresponding to a volume from 10.0 to 5.0 bcm. In general greater anilox volume will produce more metallic effect.

PLATES

UV Flexo Metallic Ink is compatible with most UV Flexo plates on the market

PRINTING

UV Flexo Metallic Ink is formulated to be press ready.

UV Flexo Metallic Ink is designed to be used in conjunction with Nazdar rotary screen inks, UV and water based flexo inks and UV offset inks.

Thoroughly mix the ink prior to printing. This is necessary with metallic pigmented inks, especially when stored for longer periods of time than the stated shelf life period. Metallic pigments have a much higher density than organic pigments; therefore, some settling is possible.

Pretest ink to determine optimum printing performance for each set of ink, substrate, anilox, press, curing variables/ conditions and any post printing processes.

UV Flexo Metallic 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.

CURE PARAMETERS

UV Flexo Metallic Ink may cure at web speeds up to 300 fpm when exposed to a medium pressure mercury vapor lamp(s) set at 300-600 watts/inch. Slower web speeds or longer pre-cure dwell times will produce more mirrored effect with 60012335 UV Flexo Imit. Silver Foil.

RUB RESISTANCE

UV Flexo Metallic Ink is formulated with leafing metallic pigments to achieve the highest brilliance possible. As a consequence to this leafing nature, the ink may exhibit poor rub resistance depending on film weight, substrate and cure conditions.

Testing the ink for rub resistance prior to production run is recommended.

CLEAR / BASE TRANSPARENT WHITE

9360 and 9410 Base Transparent White may be used to reduce strength of Metallic colors. Small additions of 9300 and 9400 base colors may be used to adjust shade of UV Flexo Metallic Ink.

In order to minimize possible side effects like tarnishing or change of rheological properties it is recommended to do such modifications press side or immediately before use.

ADDITIVES

All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink. Consult 9300 additive guide for further information.

Reducer: Use RE393 UV Reducer to reduce the viscosity of the inks. Add up to 10% by weight.

Photoinitiator: Use CARE86 Photoinitiator to increase cure response. Add up to 3% by weight.

CLEAN UP

Use NWC10 EZ Cleaner

STORAGE

Store tightly covered at temperatures between 65°-90° F (18°-32° C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

INK HANDLING

Direct skin contact to UV inks is the primary route of exposure and irritation. Therefore, it is recommended that all personnel handling UV products wear gloves and barrier cream to prevent direct skin contact.

Safety glasses are suggested in areas where ink may be splashed. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the Material Safety Data Sheet for further instructions and warnings.

UV Flexo Metallic Ink is a one-part, 100% solids UV-curable Flexo printing ink which does not contain HDODA or benzophenone.

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 COF. These tests should be performed prior to beginning the full production run.

FADE RESISTANCE

UV Flexo Metallic Ink is designed for interior applications only.

SHELF STABILITY

UV Flexo Metallic Ink in unopened containers will have a minimum of 3 months shelf stability.

Although useable after 3 months, some loss of brilliance may occur.

PRODUCT OFFERING

STANDARD PACKAGING

UV Flexo Metallic Ink is available in 10 lb (for golds), 9 lb (for silver) and 5lb (for imitation silver foil) containers.

Stock No.	Metallic Printing Colors
699427UMBT	UV Flexo 871 Gold
699424UMBT	UV Flexo 872 Gold
699425UMBT	UV Flexo 873 Gold
699426UMBT	UV Flexo 874 Gold
699428UMBT	UV Flexo 875 Gold
699402UMBT	UV Flexo 876 Gold
699429UMB9	UV Flexo 877 Silver
60012335UMB5	UV Flexo Imit. Silver Foil
Stock No.	Additives
CARE 86	UV Initiator
RE393	UV Reducer
Stock No.	Cleaner
NWC10	EZ Cleaner

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. This product has been specially formulated for flexographic printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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