

Varnishes

UV varnishes for Flexographic Printing

Varnishes

The 800 Series Varnish Line consists of different clears designed for different applications and demands. This product line is being launched to both offer new and improved products to narrow web printers but also to reduce cost providing an opportunity to be more price competitive in the market. The line includes a series high gloss, matte, scuff resistant, super scuff resistant and imprintable varnishes.

800 Series was developed to be used with a wide range of standard aniloxes depending on the specific job requirement.

800 Series is compatible with all plates designed to work with UV based inks. Tests have shown that 800 Series induces minimal plate swell and softening over a 24 hour period, well within manufacturers' suggested tolerances.

Varnishes Key Features:

800-IV Imprintable Varnish

- Can print under and over
- Low Viscosity

800-HGV2 Hi-Gloss Clear

- Consistent Gloss Finish
- Consistent Scuff Resistance
- Passes 1000 abrasion test rubs
- Low Viscosity

800-MVP Matte Clear

- Consistent Matte Finish
- Outstanding Press Stability
- Pump-able

800-MDC Super Scuff Resistant Clear

- Highly Scuff Resistant
- Passes 1000+ abrasion test rubs
- Designed for Automotive industry

800S29977 Hi-Gloss Clear with no Optical Brightener

CCV-16109 High Rub Chemical Resistant

- No-silicone - less slip

800S42123 High Resist Clear with no Optical Brightener

800S42124 High Resist Clear

- Crystal clear
- Very high chemical and rub resistance

800-TCV Tactile Varnish

- High Grip Effect
- High Gloss

800-NSV Non-Slip Varnish

- Rubber Effect
- Satin Finish

800-VTV Velvet Touch Varnish

- Soft and Smooth Feel
- Satin finish

WASH UP

Anilox rolls can be washed up with commercial wash solutions designed for UV flexographic inks and rotary screen. Consult plate supplier and or rotary screen supplier for recommended plate cleaning solutions.

PRE-PRODUCTION TESTS

800 Series has been formulated to adhere to most top coated or corona treated plastic materials with surface tension levels of 38-40 dyne/cm or higher.

However, it is strongly recommended that all substrates be tested before use, as supposedly similar substrates can vary between manufactures, and even between different batches from the same manufacturer. Certain plastics may be impregnated with lubricants which, like plasticizer migration, may impair adhesion and block resistance, even a considerable period after printing.

It is also recommended to thoroughly test for compatibility when overprinted, as ribbons, toners and pigments used by overprint technologies can vary from batch to batch.

END-USER MUST DETERMINE SUITABILITY OF THIS PRODUCT FOR THE INTENDED USE PRIOR TO PRODUCTION.

STORAGE

Containers should be tightly closed immediately after use. At the end of long printing runs, surplus ink from the ink tray should be disposed of. Inks and additives should not be stored in direct sunlight or extreme temperature. Refer to Material Safety Data Sheet (MSDS) for materials and conditions to be avoided.

In the interest of maximum shelf life, storage temperatures should be between 50°F (10°C) and 77°F (25°C).

Shelf Life: 6 months from date of manufacture (Unopened 1 gallon containers). Please consult Shelf Stability from Date of Manufacture at [Shelf Life Chart](#) for other container sizes, fluorescents & metallics.

SAFETY AND HANDLING

Refer to MSDS for safety, handling, and waste disposal information.

While the varnishes can be printed with a wide range of anilox rolls, the following specifications are recommended for optimal designed results.

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SPECIFICATIONS: VARNISHES

VARNISH	ANILOX RANGE
800-HGV2 ▶ Hi-Gloss Clear	5-8 BCM
800-MDC ▶ Super Scuff Resistant Clear	5-8 BCM
800-MVP ▶ Matte Clear	3-6 BCM
800-IV ▶ Imprintable Varnish	5-8 BCM
800S29977 ▶ High Gloss with no Optical Brightener	5-8 BCM
CCV-16109 ▶ High Rub Chemical Resistant	7-8 BCM
800S42124 ▶ High Resist Clear	7-8 BCM
800S42123 ▶ High Resist Clear with no Optical Brightener	7-8 BCM
800-TCV ▶ Tactile Varnish	20+ BCM or HOW1 or Apex 2XL
800-NSV ▶ Non-Slip Varnish	8-20 BCM or HOW1 or Apex 2XL
800-VTV ▶ Velvet Touch Varnish	440 line 4 BCM or Apex S or M