

# 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-SRV2 Scuff Resistant Clear

- 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

##### 800-HGV2 Hi-Gloss Clear

- Consistent Gloss Finish
- Low Viscosity

##### 800S29977 Hi-Gloss Clear with no Optical Brightener

##### CCV-16109 High Rub Chemical Resistant

- No-silicone - less slip

##### 800S42124 High Resist Clear

- Crystal clear
- Very high chemical and rub resistance

##### 800S42123 High Resist Clear with no Optical Brightener

##### 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 Xtend Press Wash and after the production with Xtend Ink Degradents. Xtend Ink Degradents should be rinsed out with water before reusing the anilox.

Rotary Screens, Dr. Blades, Ink Pumps and Rollers can also be cleaned according to the following diagram:

	Rotary Screens	Anilox, Dr. Blades, Ink Pans	Rollers
Xtend XPW-800 Roller Wash	✓	✓	✓
Xtend XPW-105 Press Wash	✓	✓	

## 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).

When stored under these conditions the maximum shelf life is shown by the use by dates, which are clearly marked on all ink containers.

## 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.

## SPECIFICATIONS: VARNISHES

VARNISH	ANILOX RANGE
<b>800-HGV2</b> ▶ Hi-Gloss Clear	<b>5-8 BCM</b>
<b>800-MDC</b> ▶ Super Scuff ResistantClear	<b>5-8 BCM</b>
<b>800-MVP</b> ▶ Matte Clear	<b>3-6 BCM</b>
<b>800-SRV2</b> ▶ Scuff Resistant Clear	<b>5-8 BCM</b>
<b>800-IV</b> ▶ Imprintable Varnish	<b>5-8 BCM</b>
<b>800S29977</b> ▶ High Gloss with no Optical Brightener	<b>5-8 BCM</b>
<b>CCV-16109</b> ▶ High Rub Chemical Resistant	<b>7-8 BCM</b>
<b>800S42124</b> ▶ High Resist Clear	<b>7-8 BCM</b>
<b>800S42123</b> ▶ High Resist Clear with no Optical Brightener	<b>7-8 BCM</b>
<b>800-TCV</b> ▶ Tactile Varnish	<b>20+ BCM or HOW1 or Apex 2XL</b>
<b>800-NSV</b> ▶ Non-Slip Varnish	<b>8-20 BCM or HOW1 or Apex 2XL</b>
<b>800-VTV</b> ▶ Velvet Touch Varnish	<b>440 line 4 BCM or Apex S or M</b>



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We at Fujifilm believe that “sustainable development” of the Earth, mankind, and companies in the 21st century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.