

# 800-Supernova White

**high density  
basecoat  
UV flexo  
white**

## 800-Supernova White

Supernova White has been developed primarily as a UV flexo basecoat white to enable the high production speeds associated with the flexo process to be maintained without compromising the high opacity needed when printing clear film substrates.

Supernova white prints exceptionally well as a backing white using high volume anilox cell volumes. It is also an exceptional white for printing fine and reverse text when used with smaller anilox roll volumes. Contact your Fujifilm representative for advice on optimum anilox roll specification and print conditions.

The use of high volume anilox rolls will lead to the need for frequent manual ink replenishment on most narrow web presses where ink pumping systems are not in use. Pumping systems can be employed to improve efficiencies, but it is important that if Supernova White is stored in bulk containers, air-circulation option is available to keep the ink homogenous. Please contact Fujifilm for advice on suitable systems.

### 800-SNW Key Features:

- High Density basecoat UV flexo White
- Outstanding opacity
- Optimized performance with high volume anilox rolls
- Exceptional adhesion
- Fast cure response
- Exceptionally smooth lay down
- Three options for your specific application
  - 800-SNW: Ultra fast cure
  - 800S37142: Extremely low curl
  - 800S41442: High flexibility

## 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	✓	✓	Do not Use

## PRE-PRODUCTION TESTING

Flexo Supernova White is formulated to adhere to transparent, top coated or corona treated polyolefins with surface tension levels of 40 dyne/cm or higher. However, it is strongly recommended that all substrates and

blocking foils be tested before use in a commercial situation. Similar substrates can vary between manufacturers, and between batches from the same manufacturer. Certain synthetics may be impregnated with lubricants, which may migrate and may impair adhesion.

It is also recommended to thoroughly test for compatibility when over printed as ribbons, toners and pigments used by over print technologies may vary from batch to batch.

THE 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 print runs surplus ink from the duct should be disposed of. Uncontaminated press returns should be stored under the same conditions as the unopened containers. These should be used within 3 months of the original date of manufacture. Supernova White should not be stored in direct sunlight or near warm pipes and should be kept away from peroxides. In the interest of maximum shelf-life storage, temperatures should be between 50°F and 77°F. Inks and additives should not be stored in direct sunlight or extreme temperatures. Refer to Material Safety Data Sheet (MSDS) for materials and conditions to be avoided.

## SHELF-LIFE

When stored unopened in a cool environment Supernova White is expected to have a shelf life of approximately 12 months from the original date of manufacture.

## PACK SIZE

### Printing Recommendations:

Anilox Roll	How Engraving
Doctor Blades	The low viscosity of Supernova White makes it suitable for reverse angle and chambered doctor blade systems. To obtain optimum results it is recommended that a doctor blade is always used.
Plate	Medium Durometer
Tape	High density tapes will always improve the ink transfer on larger solid areas.
Print Speed	Up to 240 ft/min Deposit dependant
Lamp Power*	400 w/ inch bulb 100% power

\*Based on prints from the Nilpeter FA2500 press at Fujifilm.

Supernova White is available in 12# & 36# pack size.

## SAFETY AND HANDLING

Supernova White:

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

## SPECIFICATIONS: 800-SNW

### Fujifilm

- ▶ Has certification to the International Environmental Standard, ISO 4001.
- ▶ Is committed to minimizing the risk to users of our products, and also to minimizing the impact of our activities on the environment, from formulation through to production and supply.
- ▶ Research & Development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- ▶ Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- ▶ Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

### Environmental Information

#### Supernova White:

- ▶ Does not contain ozone depleting chemicals as described in the Montreal Convention
- ▶ Is formulated free from aromatic hydrocarbons.
- ▶ Is free of any volatile solvent and can therefore be considered to have less impact on the environment, when compared with solvent-based products.



# FUJIFILM



## THE FUJIFILM GREEN POLICY

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.