

Product Information

SERICOL

Flexo JD752 Supernova White

UV Curing Flexo Printing Ink

JD752 Supernova White is a UV flexo base coat white that can be printed at high production speeds without compromising the high opacity required for printing transparent filmic substrates.

Finish

Gloss

Cure

160 watt/cm (400 watt/inch) bulb 100% power.

Wash-up

Plates, rollers ancillaries:	DFGC1 General Cleaner
Deep cleaning of anilox:	DFDCL Deep Clean

Substrates

Top coated and some non-top coated corona treated transparent filmic substrates.

Anilox Roll

150 lpi HOW engraving.

Doctor Blades

The low viscosity of JD752 makes it suitable for reverse angle and chambered doctor blade system.

Plate

JD752 is compatible with the majority of plate materials recommended for UV ink systems. The choice of plate and cushion mount tape, can have an impact on print quality. A medium durometer plate is recommended for optimum ink transfer.

Tape

High density cushion mount tapes improve the ink transfer on larger solid areas. Refer to the JD752 troubleshooting hints & tips document for more details.

Print Speed

Up to 80m/min deposit dependant.

Lamp Power

160w/cm (400w/inch) bulb 100% power (Based on prints from the Nilpeter FA2500 press at Fujifilm Speciality Ink Systems).

Before Use

Stir well before every use. 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 JD752 is stored in bulk containers the ink is stirred during use.

Contact Fujifilm Speciality ink Systems for advice on suitable systems



Key Benefits of Flexo JD752 include:

- High density base coat UV flexo white.
- Outstanding opacity.
- Optimised performance with high volume anilox rolls.
- Exceptional adhesion.
- Fast cure response.

Printing fine text with JD752 is not generally recommended when using high volume anilox rolls. Lower anilox volumes will improve definition but this will be at the expense of opacity and printability of solid areas.

Contact Fujifilm Speciality Ink Systems for advice on optimum anilox roll specification and print conditions.

JD752 is available in 5kg units.

Pre-production Testing

Flexo JD752 Supernova White is formulated to adhere to most grades of transparent, top coated or corona treated filmic materials with surface tension levels of 38 dyne/cm or higher. However, it is strongly recommended that all substrates and over-printing processes are tested before use on a commercial run.

- Substrates can vary between manufacturers, and between batches from the same manufacturer.
- It is recommended to thoroughly test compatibility when overprinting with thermal ribbons, toners, inkjet, hot and cold foiling.

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. Uncontaminated press returns should be stored under the same conditions as the unopened ink containers. Flexo JD752 Supernova White should not be stored in direct sunlight, or near heat sources and should be kept away from peroxides. Refer to the Safety Data Sheet for materials and conditions to be avoided. For optimum shelf-life, all products should be stored at moderate temperatures between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

When stored at optimum storage conditions, Flexo JD752 Supernova White is expected to have a shelf life of approximately 12 months from the date of manufacture.

Safety and Handling

Flexo JD752:

- Is formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Has a flashpoint greater than 60°C and is therefore not classified as "dangerous substance" under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).

Comprehensive information on the safety and handling of Flexo JD752 and associated products is given in the appropriate Safety Data Sheets.

Environmental Information

Flexo JD752:

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

Fujifilm Speciality Ink Systems Limited:

- Has certification to the International Environmental Standard, ISO 14001.
- Has certification to the Quality Management Standard, ISO 9001.
- Has certification to the Occupational Health and Safety Standard, ISO 45001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research and 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.

The information and recommendations contained in this Hints & Tips sheet, as well as technical advice otherwise given by representatives of FUJIFILM Speciality Ink Systems Limited and its associated companies, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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