

# UVivid

UV Narrow Web Printing Inks

## Uvisleeve 360 UV Flexo

High Gloss UV Ink for flexographic printing of shrink sleeve and ROSO labels

### Features

- Ultra low viscosity
- VOC free
- Over 70% shrinkage
- Fast cure
- High colour density
- Superb dot reproduction
- Suitable for use on multiple substrates
- Excellent intercoat adhesion and trapping
- High gloss finish
- High slip for fast seaming and container application
- Low odour
- Excellent abrasion resistance
- Dedicated Pantone formulations
- High opacity

FUJIFILM Sericol Uvisleeve 360 UV flexo inks offer excellent adhesion and shrinkage on all sleeve substrates, including PET/G, PVC, Polystyrenes and PLA.

Uvisleeve 360 inks offer superb dot reproduction, maintain crisp print definition and clean reverse prints without dot gain.

Ultra low viscosity has been optimised to give excellent flow and duct stability whilst maintaining high colour strengths.

The unique high slip Uvisleeve 360 white ink offers high opacity, fast print speeds and the ability to seam sleeves at over 500 mtrs per minute with no scuffing or scratching of the ink film.

### Application

Uvisleeve 360 inks are developed for all sleeving applications including Shrink sleeve.

### Printing Recommendations

#### Anilox

Uvisleeve 360 is developed for use with fine anilox screens and volumes to minimise ink deposits with optimised opacity, print quality and efficiency. Guideline anilox recommendations:

Printing Format	Screen Lines per inch lpi	Cell Volume cm <sup>3</sup> /m <sup>2</sup>
4 colour process	900 - 1200	2.5 - 4
Line and Type	350 - 550	5 - 7
White	200 - 350	8 - 15
Metallics	250 - 325	7 - 10

### Doctor Blades

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

### Plates and Tapes

Uvisleeve 360 is compatible with the majority of plate materials recommended for UV ink systems. The choice of plate and backing tape used to mount the plates can have an impact on the quality of the print. The following recommendations are offered as a guideline:

Printing Format	Tape Density
4 colour process	Low density
Solids and backing whites	High density
Type and reversed out areas	Medium density

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## Substrates

### Pre-production testing

Uvisleeve 360 is developed to give excellent adhesion to all commonly used shrink sleeve substrates. However, it is strongly recommended that all substrates 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 impair adhesion. CORONA TREATMENT MAY BE REQUIRED. It is also recommended to thoroughly test for compatibility when overprinting with other print processes. The end-user must determine suitability of this product for the intended use prior to production.

## Uvisleeve 360 Colour Range

Colour Reference	Product code
<b>4 Colour Process</b>	
Process Yellow	JD 052
Process Magenta	JD 135
Process Cyan	JD 215
Process Black	JD 004
<b>Standard Base Colours</b>	
Yellow	JD 045
Orange	JD 103
Warm Red	JD 199
Red 032	JD 097
Rubine Red	JD 163
Rhodamine Red	JD 125
Purple	JD 237
Violet	JD 127
Blue 072	JD 254
Reflex Blue	JD 260
Process Blue	JD 240
Green	JD 320
Black	JD 001
Dense Black	JD 009
Mixing Base	JD 381
Opaque White	JD SWH
<b>Metallic Colours</b>	
Silver	FL 462
Rich Gold	FL 489
Rich Pale Gold	FL 461

## Curing

Excellent cure and adhesion are attained immediately upon curing; however maximum adhesion, chemical and mar resistance will be obtained 24 hours after initial curing.

## Wash-up

Application	Product Reference	Product Code
To clean plates, rollers and other equipment.	General Cleaner	DFGC1
To remove deep-seated ink deposits from anilox rollers.	Apollo Deep Clean	DFDCL
For use in automatic solvent washout units.	Autowash Cleaner	DFAUT

## Storage

Containers should be tightly closed immediately after use. At the end of long print runs surplus ink from the ink duct should be disposed of. Uncontaminated press returns should be stored under the same conditions as the unopened ink containers. In-house colour matches should be used within 3 months of the original date of blending. Uvisleeve 360 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 10°C and 25°C. 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

### 4 Colour Process and Line Colours

When stored unopened in a cool environment all Uvisleeve 360 base colours are expected to have a shelf-life of 12 months from the original date of manufacture.

### Metallic inks

When stored unopened in a cool environment all Uvisleeve 360 metallic colours are expected to have a shelf-life of 6 months from the original date of manufacture. Unused press returns should be stored in a separate container and used as soon as possible. If metallic inks are incorporated into colour matches the blend may have a shelf-life of only a few days.

### FUJIFILM Sericol UK Limited

- Has certification to the International Environmental Standard, ISO 14001.
- 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 & 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.

### Safety and Handling

#### UVivid Uvisleeve 360 UV Flexo:

- 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 55°C and is therefore not classified as a "dangerous substance" under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).

Comprehensive information on the safety and handling of UVivid Uvisleeve 360 UV Flexo and associated products is given in the appropriate FUJIFILM Sericol Safety Data Sheet available upon request.

### Environmental Information

#### UVivid Uvisleeve 360 UV Flexo:

- 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.

# Uvisleeve 360 UV Flexo

*The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, 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.*

**SERICOL**  
More than ink...Solutions.

**FUJIFILM**

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