

SERIDISC OF

Waterless UV Inks for Wet-On-Dry Offset

SERICOL
More than ink...Solutions.
FUJIFILM

Features

- Provides Ultra Smooth Print in Halftone and Full Areas
- Strong Color Vibrancy and Density
- Fast Cure Rates
- Press Ready – No Additives or Modifiers
- Superior Print Definition – Resulting in Picture Quality Four Color Process Prints
- Excellent Color Stability throughout Long Print Runs
- Process Colors are matched to "SWOP" standards
- NVP and Volatile Amine Free – Will Not Fog or Degrade the Finished Disc.

Substrate Application

CD – Formats
DVD – Formats
HD-DVD – Formats
Blu-Ray – Formats

Print Characteristics

SeriDisc OF inks offer superb dot reproduction, maintain crisp print definition and provide sharp copy over long print runs.

SeriDisc OF inks also provide good coverage of halftone and solid areas, as well as strong color vibrancy and density.

Printing Recommendations

SeriDisc OF inks are recommended for printing on Kammann and other industry standard CD/DVD printing machines in a waterless offset process.

To ensure optimal results, the entire printing system – rollers, key settings, and plates – should be cleaned prior to use. Due to

the strength of the SeriDisc OF colors, the ductor speed settings should be set at low levels to reduce ink deposit. Cooling system temperatures should be kept between 11°C and 13°C, with cooling air humidity held below 65%, to maintain ink viscosity and performance.

For best results, OF inks should be printed overtop SeriDisc DVD base whites.

Thinning

SeriDisc OF inks are supplied in a press ready viscosity for most printing conditions.

Curing

Ultraviolet curable inks are dependent on a high dosage of intense ultraviolet light in a spectral range between 250 and 360 nanometers to initiate cure. Light energy must penetrate the entire ink layer to achieve proper cure and ink performance.

SeriDisc OF inks are formulated to cure at maximum production rates of Kammann (135 discs per minute) and other industry standard offset printing equipment. Cure speeds are dependent on ink film thickness, opacity, UV lamp intensity, reflector geometry, and reflector focal point.

Adhesion, according to industry standard tests, should be satisfactory immediately upon exiting the printing press.

Wash Up

Wash up on press with Xtend™ Press Washes or Isopropyl Alcohol.

Pre-Production Test

SeriDisc OF inks are formulated to adhere to most UV spin coat varnishes. However, it is strongly recommended that all applications be thoroughly tested before use in production. Type of spin coat varnish, depth of cure, surface hardness, delay between application of spin coat varnish and SeriDisc OF inks may affect printability, adhesion, and performance.

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SeriDisc inks do not contain N-vinyl-2-pyrrolidone (NVP) or volatile amine that can fog compact discs

Color Availability

The SeriDisc OF Series is available in the four process colors, which are matched to "SWOP" standards (Specification Web Offset Publication). If SWOP standards are used for color separations, no adjustment will be needed to the SeriDisc color density.

Standard Products

- OF-HTY Process Yellow
- OF-HTM Process Magenta
- OF-HTC Process Cyan
- OF-HTK Process Black

Storage

SeriDisc OF inks are very stable during non-use. Containers should be tightly closed immediately after use. At the end of a long print run, surplus ink from the rollers and roller fountain should be disposed of properly. SeriDisc inks and reducers should not be stored in direct sunlight or extreme temperatures. Refer to the 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.

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Technical Service:
800.737.4265



Customer Service:
800.255.4562

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