

# UVivid

UV Narrow Web Printing Inks

Rotary Screen RN

## UVivid Rotary Screen RN UV Curing Rotary Screen Ink

### Features

- Specifically designed for rotary screen reel-to-reel label printing.
- High colour density.
- Optimised rheology for all common rotary screen types including Stork RSI and Gallus Screeny.
- High gloss finish with excellent hold out.
- Fast cure for high production output.

### Substrate Application

- Pressure sensitive vinyls.
- Top coated and corona treated pressure sensitive Polyesters, Polyethylenes and OPP films.

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## Print Characteristics

UVivid Rotary Screen RN inks produce outstanding printing results over a wide range of applications, conditions and substrates.

Rotary Screen RN inks have reliable Intercoat adhesion and foil blocking properties with excellent flow and gloss characteristics over a wide range of press speeds.

## Printing Recommendations

UVivid Rotary Screen RN has been developed for use with the full range of rotary screen meshes commonly used for printing self-adhesive labels.

Rotary Screen RN inks have an inherently high colour density, however where specific colour matches require ultra strong colours, please contact your local Sericol Customer Service Centre for advice.

## Curing

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

## Wash-up

Wash up with Seriwash Universal Screen Wash.

**Do not wash up with any UV thinners.**

## Pre-Production Test

UVivid Rotary Screen RN is formulated to adhere to most major brand, top coated or corona treated, plastic materials with surface tension levels of 38 dyne/cm or higher. However, it is strongly recommended that all substrates and blocking foils be tested before use on a commercial run. Supposedly similar substrates can vary between manufacturers, and between batches from the same manufacturer. Certain plastics may be impregnated with lubricants which, like plasticiser migration, may impair adhesion and block resistance.

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.

**The end-user must determine suitability of this product for the intended use prior to production.**

## Chemical and Abrasion Resistance

UVivid Rotary Screen RN has excellent resistance to most common household chemicals, personal care products and mechanical abrasion. When printed onto suitable substrates and under the correct conditions, Rotary Screen RN will pass pasteurisation testing. Before embarking on any production run, it is essential that end users satisfy themselves that the completed label will withstand any pasteurisation process planned.

## Colour Management

Colours can be supplied against prints, wet ink samples or to PANTONE®\* references, British Standard, 'HKS' and 'Munsell' numbers. A sample of the substrate to be printed with the number and type of mesh to be used as well as other relevant data should be attached to orders.

Minimum quantity 5 kg.

## UVivid Rotary Screen RN Colour Range

The UVivid Rotary Screen RN inks are available in 12 base colours plus Black, White and Mixing Base.

Colour	Product Code
Black	RN001
Dense Black	RN009
Opaque White	RN025
Brilliant White	RN026
Mixing White	RN030
Combination White	RN034
Yellow	RN045
Red 032	RN097
Orange	RN103
Rhodamine	RN125
Violet	RN132
Rubine	RN163
Warm Red	RN199
Reflex Blue	RN236
Purple	RN237
Process Blue	RN240
Blue 072	RN254
Green	RN320
Mixing Base	RN381

Available in 5 kg containers

## Additives

ZE813 Fast Thinner

\*PANTONE® is the property of Pantone, Inc.

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## Storage

Containers should be tightly closed immediately after use. At the end of long print runs, surplus ink from the screen should be disposed of. UVivid Rotary Screen RN inks are outside the Petroleum (Flammable Liquids) Order 1971 and Liquified Gasses Regulations 1972.

UVivid Rotary Screen RN 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.

When stored in a cool environment the inks are expected to have a shelf-life of approximately 12 months from the date of manufacture.

## Safety and Handling

### UVivid Rotary Screen RN:

- Is formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.
- Is formulated free from lead and other heavy metals and therefore should comply to the EN71-3: 1988 Toy Safety Standard.
- All UV curing inks and varnishes contain acrylates. Acrylates, like any organic solvent, are skin and/or eye irritants. It is essential that the measures given in Section 8 of the Material Safety Data Sheet for this product are always followed.

Comprehensive information on the safety and handling of UVivid Rotary Screen RN is given in the appropriate Sericol Safety Data Sheet, available on request.

## Environmental Information

UVivid Rotary Screen RN:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons which are known to have an adverse effect on the environment.
- Is free of any volatile solvent and is therefore beneficial to the environment when compared to solvent-based products.

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*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.*

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