

UVivid

UV Narrow Web Printing Inks

Screen CN

UVivid Screen CN UV Curing Screen Printing Ink

Features

- Specifically designed for flat screen, reel-to-reel label printing.
- High colour density.
- Optimised rheology for consistent print results.
- High gloss finish with excellent hold out.
- Fast cure for high production output.

Substrate Application

Coated paper and board.

Pressure sensitive vinyls.

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

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Print Characteristics

UVivid Screen CN UV inks offer superb printing results over a wide range of applications, conditions and substrates. Screen CN inks exhibit excellent flow characteristics whilst retaining a structure which optimises on-screen performance. Intercoat adhesion and foil blocking properties are good.

Printing Recommendations

UVivid Screen CN is developed for use with a wide range of the meshes used in the printing of labels. Mesh counts from 120 to 165 threads per centimetre can be used, dependent on the colour density required and the efficiency of the UV lamps used.

UVivid Screen CN inks have an inherent high colour density, however where specific matches require ultra strong colours, please contact your local Sericol Customer Service Centre for guidance.

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 Screen CN 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 Screen CN has excellent resistance to most common chemicals and to abrasion.

When printed on suitable substrates and under the correct conditions, Screen CN will pass pasteurisation testing.

The end-user must satisfy themselves of the suitability of this product for use on labels intended for pasteurisation before embarking on any production.

Colour Management

Colours can be supplied against prints, wet ink samples to PANTONE®* references, British Standard, 'HKS' or 'Munsell' numbers. A sample of the substrate to be printed, with the number and type of mesh to be used, should be attached to orders. Other properties required of special matches may be very important and it is necessary that full details are supplied of the process to be followed. Sericol's Technical Service Department will be pleased to advise on non-standard colours.

Minimum quantity 5 kg.

*PANTONE® is the property of Pantone, Inc.

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UVivid Screen CN Colour Range

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

Colour	Product Code
Yellow	CN045
Orange	CN103
Warm Red	CN199
Red 032	CN097
Rubine	CN163
Rhodamine	CN125
Purple	CN237
Violet	CN132
Blue 072	CN254
Reflex Blue	CN236
Process Blue	CN240
Green	CN320
Black	CN001
Dense Black	CN009
Mixing White	CN030
Opaque White	CN025
Mixing Base	CN381

Available in 5 kg containers

Additives

ZE637	Thinner
ZE813	Fast Thinner

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 Screen CN inks are outside the Petroleum (Flammable Liquids) Order 1971 and Liquified Gasses Regulations 1972.

UVivid Screen CN 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 Screen CN:

- 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 Screen CN is given in the appropriate Sericol Safety Data Sheet, available on request.

Environmental Information

UVivid Screen CN:

- 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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