

UVivid

UV Narrow Web Printing Inks

UVivid RVA05

Optically Bright Gloss Varnish

Features

- High Gloss
- Enhanced optical brightness
- Adhesion to a wide range of commonly used substrates
- Suitable for rotary screen or UV flexographic application
- Excellent wetting properties
- Good slip properties

Application

UVivid RVA05 Optically Bright Gloss Varnish is designed to enhance the brightness of white prints under certain lighting conditions. It can also be used to create special effects that can be viewed under black (UV) light sources. Suitable for Polyolefin, Paper and Board substrates.

Printing Recommendations

| Screen | Anilox | Print Speed | Lamp Power* |
|---|---|---------------|--|
| Stork RSI 305 13 / 17 Gallus Screeny KS / KM | 5.5 - 15 cm ² m ³ | Up to 70m/min | 160w/cm (400w/inch) bulb 100% power |

*Based on prints from a Nilpeter FA2500 press

UVivid RVA05 Optically Bright Gloss Varnish should be well stirred before each use.

Wash-up

| Application | Product Reference | Product Code | Pack sizes |
|--|--------------------|--------------|------------|
| To clean plates, rollers and other equipment | General Cleaner | DFGC | 5lt |
| To remove deep-seated ink deposits from anilox rollers | Appollo Deep Clean | DFDCL | lt |
| For use in automatic solvent washout units | Autowash Cleaner | DFAUT | 15lt |

Pre-production testing

UVivid RVA05 Optically Bright Gloss Varnish is a general-purpose product formulated for a range of applications. 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.

UVivid RVA05 Optically Bright Gloss Varnish contains amine. Contact with some low resistant pigments used in flexo, offset and letterpress ink systems may cause the pigments in a cured ink film to fade or bleed.

UVivid RVA05 Optically Bright Gloss Varnish contains silicone. Therefore it will not be possible to overprint, as this will cause reticulation. Silicone can also reduce foil acceptance of the varnish.

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

Additives

| Product | Code | Application | Dosage |
|---------------|-------|-----------------------------|---------|
| Fast Thinner | ZE813 | General use | 1 - 10% |
| Cure Additive | ZE824 | To improve cure if required | 1 - 3% |

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Storage

Containers should be tightly closed immediately after use. At the end of long print runs surplus varnish from the duct should be disposed of. Uncontaminated press returns should be stored under the same conditions as unopened containers. These should be used within 3 months of the original date of manufacture. UVivid RVA05 Optically Bright Gloss Varnish 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.

Pack Size

UVivid RVA05 Optically Bright Gloss Varnish is available in a 5 kg pack size.

Shelf-life

When stored unopened in a cool environment UVivid RVA05 Optically Bright Gloss Varnish is expected to have a shelf-life of approximately 12 months from the original date of manufacture.

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 RVA05 Optically Bright Gloss Varnish:

- 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 RVA05 Optically Bright Gloss Varnish and associated products is given in the appropriate Sericol Safety Data Sheet.

Environmental

UVivid RVA05 Optically Bright Gloss Varnish:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons.
- Is not routinely tested, but is formulated to comply with the EN71-3 1995 Toy Safety Standard.

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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