

Technical Data Sheet



Ultra Jet DUV-RR

Ultra Jet DUV-RR has been expertly developed to offer the highest performance on Roll to Roll Printers.



Key features

- Suitable for LED and Mercury vapor lamps
- High-grade pigmentation
- Wide adhesion range with flexibility needed
- Low print odour
- VCL free

Field of application

Substrates

The **Ultra Jet DUV-RR** substrate range includes:

Flexible Substrates:

- PVC Banner
- self-adhesive films
- Polycarbonate foils
- Poster paper
- Backlit
- Mesh
- Printable fabrics such as Trevira®, and artificial leather

Field of use

Ultra Jet DUV-RR is suitable for devices employing the below-mentioned print heads:

- Ricoh Gen4/5
- Toshiba Tec CE2
- Konica Minolta 512 + 1024 and i series
- Dimatix Q-Class
- Seiko spt512

Characteristics	DUV-RR
Colour Gamut	+++
Flexibility	+++
Pigmentation	+++

Curing

Ultra Jet DUV-RR is a UV-curable ink. Suitable for LED or Mercury vapor lamps.

Ultra Jet DUV-RR is a post-curing UV ink which will achieve its final adhesion and resistance after 24 hours.

The curing speed of the ink is generally dependent upon the kind of UV-curing unit (reflectors), number, age, and power of the UV lamps, the printed ink film thickness, color shade, substrate in use, as well as the printing speed.

Fade resistance

Only pigments of high fade resistance are used for the **Ultra Jet DUV-RR** range. All basic shades are suited for a 2-year vertical outdoor exposure, referred to the middle European climate and suitable substrates.



Colour Range

Basic Shades

- 428 Yellow
- 439 Magenta
- 459 Cyan
- 489 Black
- 434 Light Magenta
- 455 Light Cyan

Available in 1L bottles

Auxiliaries

DI-UR Cleaner

DI-UR 3 Cleaner

DI-UR is used for cleaning all ink-bearing components during color change and its effect is optimally adapted to the color formulation.

DI-UR 3 is recommended for rinsing, cleaning or short-term soaking of print heads and other ink-bearing components.

The effect of the cleaner is optimally adapted to the ink formulation.

Shelf Life

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15 - 25 °C is:

- 1 year for all other standard products

The ambient temperature may fall below this value only once for max. 2-3 days. Under different conditions, particularly other storage temperatures, the shelf life is reduced. In such cases, the warranty given by Marabu expires.

Depending on the current ink type and your color match requirements there are 3 different options for changeover:

- Switch & Print= full chemical and colour compatibility
- Switch & Swap = Flushing is required
- Switch & Match = Colour profiling is required for the best colour match

Please contact Marabu to confirm the necessary process for your printer

Change-Over





Note

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their purpose. This is not meant as an assurance for certain properties of the products nor their suitability for each application.

Therefore, you are obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The foregoing information is based on our experience and should not be used for specification purposes. All characteristics described in this Technical Data Sheet refer exclusively to the standard products listed under "Range", provided that they are processed in accordance with their intended use and only when used with the recommended auxiliaries. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.

Labeling

For **Ultra Jet DUV-RR** and its auxiliaries, there are current material safety data sheets available according to EC regulation 1907/2006, informing in detail about all relevant safety data including labelling according to EC regulation 1272/2008 (CLP regulation). Such health and safety data may also be derived from the respective label.

Safety rules for UV printing inks

UV-inks contain some substances which may irritate the skin. Therefore, we recommend to take utmost care when working with UV-curable printing inks. Parts of the skin soiled with ink are to be cleaned immediately with water and soap. Please, read the notes on labels and on safety data sheets.

Marabu – Colors made for life

- Certification to international standards ISO 9001, 14001
- Leading-edge research and development enables us to design innovative products to meet the very latest real-world challenges of our customers
- Corporate responsibility – particularly environmental protection – is at the heart of our business. We have underlined this commitment by creating a dedicated department for product and environmental safety
- We systematically reduce hazardous substances in our products, making our standards among the highest in the industry
- Our international service and support network of subsidiaries and partners offer assistance and advice wherever you are



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