

Technical Data Sheet

RBU

General Description

- Daylight and ultra-violet responsive fluorescent ink base, free of formaldehyde for energy curable inks.
- A high strength fluorescent formulation in a specifically formulated ink vehicle.

Applications

- Flexographic and lithographic, ultra-violet (UV) and electron beam (EB) curable inks.

Product Features

- High fluorescent ink base which needs to be converted into finished flexographic and lithographic UV curable inks by adding specific resins and a photo initiator.
- Bright and high gloss colors, covering the PMS shades from 802 to 807, with excellent printing characteristics.
- Compatible with conventional inks to enlarge the available color space to create new and brighter shades.
- RBU ink base contains reactive components. Therefore during the manufacturing of these printing inks the temperature of the batch should not exceed 40°C. For additional information on safe handling procedures, please consult the individual Safety Data Sheets.

Standard Color

| Product Name | Description |
|----------------|-------------|
| RBU-10 | Chartreuse |
| Special Colors | |
| RBU-1P2 | Green |
| RBU-0P3 | Yellow |
| RBU-3P4 | Orange |
| RBU-5P5 | Red |
| RBU-7P6 | Pink |
| RBU-8P7 | Magenta |

Packaging:

1 PE pail = 20kg
MOQ = 20kg

Storage & shelf life:

12 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties

| | |
|----------------------------|------------------------------------|
| Delivery form | Ink base |
| Pigment concentration | 45-55 % thermoplastic dyed polymer |
| Vehicle type | Proprietary energy curable system |
| Grind – NPIRI 10-0 | 0 – 10 |
| Dirt-NPIRI 10-0 | 0 – 10 |
| Specific gravity | 1.20 g/ml |
| Laray viscosity | 20 – 40 seconds @ 32°C (200g/10cm) |
| Volatile organic compounds | None |

Test methods and Certificate of Analysis (COA) available on request.

Processing

| | |
|------------------------|-------|
| Processing temperature | ≤40°C |
|------------------------|-------|

RBU inks are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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