

# 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:

24 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
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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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