



# J-CUBE RP41/KP41



October 2015 – J-Lab

## DIGITAL DISPERSED-DYE INKS FOR DIRECT PRINTING

### ECO-FRIENDLY NANO DISPERSED, PRODUCED WITH THE INNOVATIVE CLUSTER TECHNOLOGY

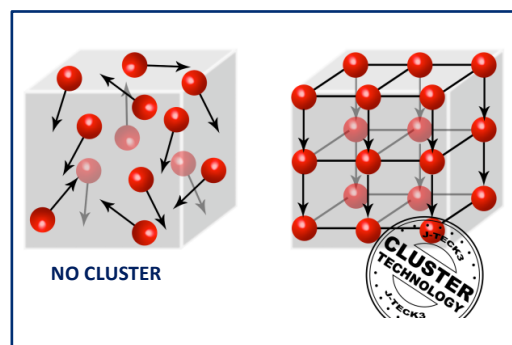
#### PRODUCT DESCRIPTION

J-CUBE RP41/KP41 are waterbased digital inks particularly designed to be used on printers equipped with new generation printing heads.

Manufactured with the exclusive **CLUSTER TECHNOLOGY** this series includes two different ink lines:

- **J-CUBE RP 41** suitable for RICOH printing heads
- **J-CUBE KP 41** suitable for KYOCERA printing heads

They have been meticulously developed by J-Lab to offer high quality performances on above mentioned printing heads. This is possible thanks to the innovative **CLUSTER TECHNOLOGY**, the exclusive system studied by J-TECK to encapsulate the pigment molecules allowing for a smooth passage through the printing heads with no alteration. Free from Alkylphenoletoxylate (APE) according to CE2003/53/CE rules



#### SUBSTRATES TO BE PRINTED AND APPLICATIONS

- Polyester, polyamide fabrics and mixed synthetics fabrics (min. 60% of synthetics fibers)
- Direct printing on flags, banners, clothing and fashion items requiring vivid and bright colours.

**PACKING:** 5 Kg, 10 Kg, 25 Kg

#### USE AND STORAGE INSTRUCTIONS

- **PRE-TREATMENT:** in order to obtain the best results in definition and ink penetration into the fiber, we suggest to treat the fabric before printing as follows:
  - **FOULARD PRE-TREATMENT:** guar starch 20 g/l, ammonium tartrate 5 g/l, water as much as necessary, antifoam 1 g/l
  - **SCREEN TREATMENT:** guar starch 50 g/l, ammonium tartrate 5 g/l, water as much as necessary, antifoam 1 g/l
- **DIRECT PRINTING:** this application requires "direct" printing onto the fabric, followed by a colour drying and fixing:
  - **STEAMING:** 170°C for 10-12 minutes
  - **PRESS or CALENDAR:** Temperature between 180-210°C during a varying time between 90-180 seconds.
- **WASHING:** in tepid water with sodium hydrosulfite 1 g/l and caustic sodium 2-3 g/l. Rinse in warm water
- It is recommended to keep the product away from light and heat sources at a **temperature lower than 25°C**.

#### AVAILABLE COLOURS & FASTNESS

	CYAN 100C	MAGENTA 200M	YELLOW 300Y	BLACK 400K
Light Fastness (EN ISO 105B02)	7	6/7	6/7	6
Washing Fastness (EN ISO 105C02)	5	5	5	5
Alcaline Perspiration Fastness (EN ISO 105E04)	5	5	5	5

**Important:** we strongly suggest to always carry out pretests of printing and drying of the substrates to be printed in order to establish the operative conditions and the results to be achieved. We also suggest to stir the product before the use and carefully follow the instructions written on the label and on the material safety data sheet enclosed to the products. Furthermore, we remind you that the ink performances can vary according to the type of printer and substrate used in the final application.

**Note:** The information contained in this information sheet are based on our present experience and knowledge. In consideration of the various factors which can effect the result achieved in the final application, the company does not take any responsibility for an improper use of the product. The information contained herein is general in nature and believed to be correct at the time of writing. No responsibility will accepted by the company for any loss or damage suffered by anyone as a result of the information contained herein.

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