

## TECHNICAL DATA SHEET

### UE4000

#### New V- set Inks.

UE4000 series of UV inks has been developed for sheet- fed offset, rotary label (letterpress) & continuous forms printing on coated, uncoated paper grades & board stock.

UE4000 series		Fastness properties as per DIN 16 524/25 BWS- Blue wool scale				
		Light BWS	Alcohol	Solvent Mixture	Alkali	UV varnish
Yellow	41UE4000	5	+	+	+	+
Magenta	42UE4000	5	+	+	-	+
Cyan	43UE4000	8	+	+	+	+
Black	49UE4000	8	+	+	+	+

#### Special Properties:-

- Very wide range of fount tolerance.
- High colour intensity
- Rapid adjustment of a stable ink/water balance.
- Fast curing
- Minimal misting.
- Suitable for laser printers (pre-production test is necessary)
- Pantone and matching colours available.

#### Range of applications

UE 4000 series is suitable for:

- Coated & uncoated paper grades and board stocks.  
(Highly absorbent stocks can greatly reduce the curing speed)
- Thermal Papers.  
(a number of thermal papers reacts to UV vehicles; for this reason, always carry out a test prior to beginning the print run)
- Conditionally for pre-treated PE,PP (corona or gas flame)or pre-primed material.
- Top coated grades of board

Low tack version of UE4000 series & high tack version of UE4000 series are available.

#### Low Tack version as UE4000LT series:-

- Mainly for continuous forms printing applications presses like Rotatek, Muller Martin etc
- Have excellent cure performance at 110 to 120 Mtr/min printing speed.
- No build up of inks on impression cylinder & turning bar for 8 colours printing presses.

#### High Tack version UE4000HT series:-

- Intense colour with high tack for slow speed sheet-fed presses.

**Printing auxiliaries:-**

- 40U1001 – UV Thinner Reducer:-Recommended amount 2-5% for the reduction of tack and viscosity.
- 40U1002 –UV Thinner Paste: – Recommended amount up to 10 % for the reduction of tack without reducing viscosity.
- 40U1003 – UV Activator Paste:-Addition up to 10% to increase cure speed.
- 40U2450- UV Activator Liquid: – Addition up to 5% to increase the cure speed.

**How to Supply:-**1 Kg Black Plastic container.

**Shelf life:** – At least 12 months when stored under the correct condition.  
(Protected against heat and light, 20 Deg. Cent.)

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The information contained in this publication corresponds to our current level of knowledge. No liability is created by this document. It is the user's responsibility to carry out preliminary trials before going in to industrial-scale production with our products in view of the wide range of applications and processing technologies.

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