

## TECHNICAL DATA SHEET

### UVHY-3000PB

#### New V-brid inks

UVHY-3000PB series hybrid UV inks has been developed for sheet-fed offset, rotary label (letterpress) & continuous forms printing on coated, uncoated paper grades, board stock & pre-primed Metpet laminated board. Hybrid offset inks technology is combination conventional offset inks & UV offset inks. Is suitable for the combi press.

UVHY-3000PB series		Fastness properties as per DIN 16 524/25				
		BWS- Blue wool scale				
		Light BWS	Alcohol	Solvent Mixture	Alkali	UV varnish
Yellow	UVHY-3001PB	5	+	+	+	+
Magenta	UVHY-3002PB	5	+	+	-	+
Cyan	UVHY-3003PB	8	+	+	+	+
Black	UVHY-3004PB	8	+	+	+	+

#### Special Properties:-

- Very wide range of fount tolerance.
- High colour intensity
- Excellent trapping and print density
- Rapid adjustment of a stable ink/water balance.
- Fast curing
- Minimal misting at high speed presses.
- Pantone, matching & metallic colours available.

#### Range of applications

UVHY-3000PB 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)
- Pre-primed Metpet laminated board.
- Top coated grades of board

Low tack version of UVHY-3007PB series & higher reology, intensive version of UVHY-3101PB series are available.

#### Low Tack version as UVHY-3007PB series

- Mainly for web printing (Std news print paper) etc.
- Have excellent cure performance at 30,000 to 35,000 iph printing speed.
- No build up of inks on impression cylinder & turning bar for 8 colours printing presses.

**High Tack version UVHY-3101PB 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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