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Issue Date: 31/05/02

TDS 1/004

## REFLECTA ECO 8500

### ***High gloss sheetfed offset process inks based on renewable raw materials – mineral oil-free***

The new generation of “HIGHLY IMPROVED TECHNOLOGY” process inks from the Huber Group are manufactured to give optimum press performance in terms of gloss, strength and stable ink/water balance. At each stage of the production process raw materials are selected to impart the highest level of quality. The wetting medium used aids the pigment wetting process, and the precisely controlled dispersion conditions ensure that the pigment is completely coated with binder, in a stable manner. This is a critical area during the production process, and controls the overall press performance of the ink. The use of “HIGHLY IMPROVED TECHNOLOGY” has greatly improved the printing characteristics of the ink.

The HIT process guarantees a high level of production reliability and the best possible printed results.

**REFLECTA ECO 8500 process inks give the optimum level of renewable resources, when environmental issues are to be considered.**

REFLECTA ECO 8500		FASTNESS CHARACTERISTICS PER DIN 16 524/25			
		Light WS	Alcohol	Solvent Mixture	Alkali
REFLECTA ECO – Yellow	41F8500	5	+	+	+
REFLECTA ECO - Magenta	42F8500	5	+	+	-
REFLECTA ECO – Cyan	43F8500	8	+	+	+
REFLECTA ECO – Black	49F8500	8	-	-	+

F= Remains Fresh WS = Wool scale



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### **SPECIAL CHARACTERISTICS**

- Free of mineral oil
- Exceptionally high gloss
- Medium absorption and good stacking properties
- Rapid oxidative drying
- Good rub resistance
- High damping solution tolerance
- Rapid adjustment of a stable ink/water balance
- Suitable for infrared radiation drying

### **FIELDS OF APPLICATION**

REFLECTA ECO 8500 series is mineral oil free, and, is highly suitable for jobs that require exceptionally high gloss on coated printing substrates, as well as on highly absorbent and less glossy stocks. It distinguishes itself through excellent print contrast, low tonal value (dot) gain and high damping solution tolerance. Good rub resistance and good absorption open up a universal range of application.

REFLECTA ECO 8500 ink series stands out due to its high colour intensity and gloss. The pleasantly smooth, free flowing consistency is particularly printer friendly. Moreover, the system impresses through high dot definition and high contrast finish.

### **POST PRINT APPLICATIONS**

UV VARNISHING (Rollercoat)	Yes
UV VARNISHING (Silk Screen Spot)	Test First
LAMINATION	Yes
LASER PERSONALISATION	Not Suitable
BLISTER PACKAGING	Not Suitable
FOIL BLOCKING	Yes

(Although the inks are formulated to allow certain post print applications to be carried out successfully, there are many factors outside of our control; such as the substrate used and quality of UV lacquer or foil applied. Therefore care should be exercised during any post print application)

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Note:

- Ink film must be completely dry and left a minimum of 24 hours
- Ink filmweights should be kept to a minimum, UCR should be considered.

**ADDITIVES**

Should it become necessary, under exceptional circumstances, to adapt the process inks to special printing conditions, additives should be used which are compatible with the highly developed binder systems:

- For reducing tack on printing substrates sensitive to picking Thixoprint 90B0012 (3-5%)
- To accelerate oxidative drying Colbalt Drier 40B5000 (1-2%)
- If in doubt please contact our Technical Department

**PACKAGING**

2.5kg Vacuum-sealed Tin  
2kg Cartridge  
200kg Drum

**IT IS IMPORTANT TO NOTE THAT THESE PRODUCTS HAVE A SHELF LIFE OF  
2 YEARS FROM DATE OF DELIVERY**