



Stehlin Hostag Ink U.K. Ltd  
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Issue Date: 31/05/02

TDS 1/006

## RESISTA 9000

### *Highly rub resistant sheetfed offset process inks*

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.

**RESISTA 9000 process inks constitute the preferred sheetfed offset series where the best possible rub resistance is required.**

RESISTA 9000		FASTNESS CHARACTERISTICS PER DIN 16 524/25			
		Light WS	Alcohol	Solvent Mixture	Alkali
RESISTA – Yellow	41N9000	5	+	+	+
RESISTA – Magenta	42N9000	5	+	+	-
RESISTA – Cyan	43N9000	8	+	+	+
RESISTA – Black	49N9000	8	-	-	+

N= Not fresh WS = Wool scale



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### ***SPECIAL CHARACTERISTICS***

- Outstanding rub resistance
- Rapid absorption and very good stacking properties
- Good gloss
- Particularly intensive oxidation drying
- High damping solution tolerance
- Rapid adjustment of a stable ink/water balance
- Superbly suited for infrared radiation drying.

### ***FIELDS OF APPLICATION***

RESISTA 9000 process inks offer the best possible rub resistance especially when processing matt coated papers, different qualities of board and uncoated papers. Their already very rapid oxidative drying characteristics are accelerated further by infrared radiation and guarantee excellent results even on less absorbent printing stocks and packages that are not post-finished.

RESISTA 9000 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



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(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)

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

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