



Stehlin Hostag Ink U.K. Ltd
 Unit D4, Linkmel Close, Longwall Avenue,
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Issue Date: 31/05/02

TDS 1/012

SHEETFED PANTONE HEXACHROME 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.

Stehlin Hostag have developed a six colour Process set in conjunction with Pantone USA. The benefits of using a six colour Process set include the capability to closely simulate over 90% of the Pantone Matching System colours, which is more than double the number obtained using conventional four colour Process printing. It is also possible to achieve improved tonal reproduction and, because of the use of orange and green primary colours rather than Magenta/Yellow and Cyan/Yellow, purer, cleaner shades can be produced with less ink carried.

These inks will perform equally well on both alcohol and conventionally damped presses. They exhibit excellent gloss and rub resistance with good trapping capabilities.

PANTONE HEXACHROME		FASTNESS CHARACTERISTICS PER DIN 16 524/25			
		Light WS	Alcohol	Solvent Mixture	Alkali
Pantone Hexachrome Yellow	310 570	2-3*	-	-	-
Pantone Hexachrome Magenta	310 571	2-3*	-	-	-
Pantone Hexachrome Cyan	310 572/R	7-8	+	+	+
Pantone Hexachrome Black	310 573/R	7-8	-	-	+
Pantone Hexachrome Orange	310 574	2-3*	-	-	-
Pantone Hexachrome Green	310 575	5-6	+	+	+

WS = Wool scale

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Cont/d...(sheet two)

* Please note these products have a reduced lightfastness owing to the amount of fluorescent material used.

APPLICATION NOTES (Guideline Figures Only)

Colour	Sequence	Density	Dot Gain
Black	1	1.90 - 2.00	17 - 23
Green	2	1.70 - 1.80	17 - 23
Cyan	3	1.80 - 1.90	17 - 23
Magenta	4	1.70 - 1.80	17 - 23
Yellow	5	0.95 - 1.05	17 - 23
Orange	6	1.80 - 1.90	17 - 23

POST PRINT APPLICATIONS

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

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.
- Quality of foil and substrate used will influence the end result, and care should be influenced during this application.

**** Non Pantone approved versions are available for these end uses, please contact our Technical Department**

PACKAGING

2.5kg Vacuum-sealed Tin
2kg Cartridge

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