



*Stehlin Hostag Ink U.K. Ltd
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Date of Issue: 27/02/03

TDS 4/004

HEATSET METALLIC INKS

Stehlin Hostag Ink UK Ltd is able to offer the most comprehensive and versatile range of web offset one pack metallic inks to the commercial heatset market. Research and development into bronze and aluminium linings, and specialist vehicles exhibiting excellent leafing qualities have resulted in:

- All shades Pantone approved
- Outstanding metallic brilliance
- Excellent press performance
- Rapid drying and setting
- Exceptional gloss
- Guaranteed long shelf life
- No premature tarnishing
- Excellent rub resistance

The Stehlin Hostag Pantone range of metallic inks are also suitable to be used in conjunction with specialised repro to enhance four colour and duo tone printing.

We recommend you consult our laboratories at the time of ordering to review all the technical requirements for your desired application.

Recommendations for obtaining best results with Stehlin Hostag Metallic Inks are as follows:

- Use a good quality coated paper with smooth surface for good hold out.
- Carry a heavier ink film than would normally be run with four colour process inks.
- Take every precaution to ensure that the ink is not over emulsified water levels should be kept to a minimum with a pH window to 4.8-5.2 pH.
- Individual damping system for metallic to be able to control fount solution.
- Alcohol should be dosed at 8% +/-2%, where applicable
- Fount system temperature at 8-9°C.
- Damping and inking rollers to be in good condition and free of calcium build up.
- A coarse grain plate is thought to be the best choice for metallic printing.
- Quick release blankets are recommended.
- Dependent on design metallic should be produced on early units to improve lay down.
- Press speeds ideally 20-25,000 cpi.
- Ink management dependent on final result, it may be possible to use an ink with less metallic content.

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No responsibility can be accepted from wrongful interpretation of the information
and/or the recommendations given. As conditions and methods of application
are beyond our control, tests should be conducted to confirm stability.*



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- For maximum metallic effect avoid varnishing. But if maximum rub resistance is of importance a varnish is recommended but this is to the detriment of the metallic brilliance.
- Contact Stehlin Hostag before modifying your ink. If additions are made use as soon as possible and only adjust the amount required for the job.

Heatset Pantone Gold	871C	790 201
Heatset Pantone Gold	872C	790 202
Heatset Pantone Gold	873C	790 203
Heatset Pantone Gold	874C	790 204
Heatset Pantone Gold	875C	790 205
Heatset Pantone Gold	876C	790 206
Heatset Pantone Silver	877C	790 207

Printing Auxiliaries

Rollin Graffity Blanket
Fount Hydrofix 8093/59
Delta Roller Cleaning Jelly D1032

Packaging 10kg buckets

Storage 12 months from delivery date

Special Notes

When using metallic inks, which have been blended with non-metallic, organic pigments, it is important to be aware of the following points:

There is a difference in specific gravity between metallic and non-metallic inks. Vigorous mixing is required before printing to ensure no separation of product.

The acidic nature of the non-metallic ink can cause tarnishing of mixed inks on standing. The ink should be checked for shade if left in stock for an extended period.

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Preferential transfer of the non-metallic ink can occur, and the ink should be allowed to fully distribute before commencing the print run.

Although these products have been successfully UV varnished in the past, care must be exercised due to the delicate nature of the operation. If in doubt please consult our technical department prior to printing.

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