

SHEETFED RESISTA EXTRA LASER PANTONES

When producing printed work which is to be subsequently exposed to an application of hot laser personalisation, it is imperative that great care is taken concerning product selection and application.

The average laser printer temperature is approximately 200°C, but different specifications do vary and the speed (dwell time) is also obviously an influencing factor.

Stehlin Hostag's Resista Extra Laser Pantone inks are formulated to give the required resistance to these conditions. When printing with these inks it is imperative that the correct selection of paper is used; consultation with your paper supplier will clarify this situation. It is also important that the amount of ink used on the design is limited; the higher the percentage of ink the more potential for problems. Normally this type of application is 10% to 50% ink coverage. If the design dictates higher levels than 50% inking then screens should be used rather than solid areas. Once the print run is complete the inks should be left for a minimum of 48 hours before being exposed to the laser printer; this is to ensure the oxidation drying cycle is totally complete and all by-products of this chemical reaction are dispersed. If this is not the case then the following problems can occur:

1. Fuming of any retained oxidation products held within the substrate, this causes an unpleasant odour and possibly leading to irritation to the operators.
2. Build-ups of ink on the heated fuser roller which results in excessive stoppages for cleaning or even damage to the fuser roller.

Notes

- **These inks are not designed to accept laser toner, but to withstand the laser process.**
- **As they are primarily formulated for uncoated stocks, setting speeds are relatively slow – care required on matt/silk materials.**

The inks are formulated to the maximum pigmentation levels so the minimal film weights of ink can be carried. The inks are available in 1kg vac pak tins and full descriptions and reference numbers are detailed below.

Sheetfed Laser PMS Yellow	125 821
Sheetfed Laser PMS Yellow 012	125 822
Sheetfed Laser PMS Orange	125 823
Sheetfed Laser PMS Warm Red	125 824
Sheetfed Laser PMS 032 Red	125 825
Sheetfed Laser PMS Rubine Red	125 826
Sheetfed Laser PMS Rhodamine Red	125 827
Sheetfed Laser PMS Purple	125 828
Sheetfed Laser PMS Violet	125 829
Sheetfed Laser PMS 072 Blue	125 830
Sheetfed Laser PMS Reflex Blue	125 831
Sheetfed Laser PMS Process Blue	125 832
Sheetfed Laser PMS Green	125 833
Sheetfed Laser PMS Black	125 834
Sheetfed Laser Trans White	125 835
Sheetfed Laser Opaque White	125 836

It is important to note that this/these products have a shelf life of 2 years from date of delivery.