

## OXY DRI PLUS SPECIAL PROCESS SERIES FOR PLASTICS AND FOILS

Stehlin Hostag's Oxy-Dri Plus inks are formulated using the latest technology to give excellent drying and adhesion on a diverse range of non-absorbent substrates, including metallised papers, simulator, tyvek and vinyl etc. The inks dry totally by oxidation which occurs when oxygen from the atmosphere chemically combines with drying oil components and catalysts within the formulation which form a hard dry ink film. To achieve optimum drying times and adhesion when using Oxy-Dri inks it is essential to follow the procedures detailed below.

1. Do not over ink - keep film weights to a minimum and avoid heavy superimposition
2. Ensure water settings are kept to a minimum, as over emulsification of these inks will severely affect the speed of drying.
3. Use a glycerine free fount solution to ensure minimum drying times are achieved. We recommend Hydrofix B 8013/09 as it does not contain wetting agents which can interfere with drying speeds.
4. Stacks to be kept as low as possible on the heavier ink coverages. Stacks of 250 sheets may be required.
5. Stacks should be kept in a warm atmosphere and aired as regularly as possible. Ensure the printed sheets do not become starved of oxygen as the drying cycle cannot function effectively without a good supply.
6. As the surfaces of non absorbent substrates can vary significantly, we recommend you supply a sample of substrate for laboratory evaluation before attempting a production run.
7. Spray powder should be applied liberally with the applicator set at approximately 60% application. We recommend our P2.5R spray powder.

By following the above points, drying times of 24 - 48 hours should be achieved. Detailed below are the full descriptions and reference numbers for the Oxy-Dri range.

The specific inks recommended for printing on films and foils are listed below.

OXY DRI PLUS		FASTNESS VALUES PER DIN 16 524/25			
		Light WS	Alcohol	Solvent Mixture	Alkali
OXY DRI PLUS- Yellow	520 730/R	5	+	+	+
OXY DRI PLUS - Magenta	520 731/R	5	+	+	-
OXY DRI PLUS - Cyan	520 732/R	8	+	+	+
OXY DRI PLUS - Black	520 733/R	8	+	+	+
Improved light-fastness					
LIGHTFAST YELLOW	520 734/R	6-7	+	+	+
LIGHTFAST MAGENTA	520 735/R	6	+	+	-

Printed films are often used outdoors where they are exposed to the elements. Premature bleaching may therefore occur despite the use of pigments with high DIN light-fastness values. The possible chemical effects of film materials have also not been taken into account. The durability of a printed article can therefore be assessed only under actual usage conditions.

### PACKAGING

1kg vacuum packed tins

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