

## UV FLEXO DRYFLEX SERIES

The UV DRYFLEX inks are especially developed for printing on flexo machines with excellent flow properties.

### PROPERTIES

- Excellent printability.
- Fast curing.
- Good gloss, high colour strength.
- Viscosity properties fit for flexo printing.
- Low odour.
- Optimal resistance properties will be obtained 24 hours after printing.
- Formulated without benzophenone.
- Formulated without ITX.

### APPLICATION AREA

All flexo label and packaging printing machines equipped with a UV-curing system.

### UV CURING SPEED

200 m/min (with 1 lamps of 160 W/cm)

(the curing is also influenced by the substrate, the condition of the lamps, the condition and adjustment of the reflectors, the thickness of the ink layer, colour, etc.)

### SUITABLE SUBSTRATES

- All kinds of paper and board.
- Inline Corona treated polyethylene. Preliminary adhesion tests are recommended.
- Selected laquered/primered aluminium foils and lids.

### AVAILABLE COLOUR SHADES

- Process colours
- Opaque White
- Mixing colours
- Special colours



**REFERENCES UV DRYFLEX INKS**

	IWS	ALCOHOL	NITRO	ALKALI
<b>PROCESS COLORS</b>				
YELLOW	5	+	+	+
MAGENTA	5	+	+	-
CYAN	8	+	+	+
BLACK	8	+	+	+
DEEP BLACK	7	+	+	+
<b>LIGHTFAST PROCESS COLORS</b>				
YELLOW	6	+	+	+
MAGENTA	7	+	+	+
<b>MIXING COLORS</b>				
OPAQUE WHITE	/	/	/	/
OPAQUE WHITE (SLEEVES)	/	/	/	/
TRANSPARENT WHITE	/	/	/	/
YELLOW	5	+	+	+
YELLOW FAST	6	+	+	+
ORANGE	5	+	+	+
WARM RED	3	+	+	-
WARM RED FAST	7	+	+	+
RED 032	5	+	-	+
RUBINE RED	5	+	+	-
RUBINE RED FAST 7	7	+	+	+
RHODAMINE RED	3	-	-	-
RHODAMINE RED FAST	7	+	+	+
PURPLE*	3	-	-	-
PURPLE FAST*	7	+	+	+
VIOLET	3	-	-	-
VIOLET FAST	7	+	+	+
REFLEX BLUE	4	-	-	-
REFLEX BLUE FAST*	7	+	+	+
BLUE 072 FAST*	7	+	+	+
PROCESS BLUE	8	+	+	+
GREEN	8	+	+	+
BLACK	8	+	+	+

\* these inks should not be used for mixings, as they are already built up out of other base inks.



## REMARKS

- When laminated afterwards, take care to use the correct fast inks, and to do a preliminary adhesion test.
- Cleaning: it is not necessary to wash the press immediately after printing. These inks will not cure in the press and are therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs / UV-lamp is allowed to shine on the ink.
- Shelf life: these inks have a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: these inks should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room. Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene- Monomers). EPDM rollers show excellent performance with UV-inks.
- Certain metallic UV-inks may cause swelling of EPDM rollers
- Nitril rubber: nitril rubber rollers show minimal swelling with UV-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.

## PACKAGING

5 kg plastic pails.

## ADDITIVES

- Wash up solution.
- Photoinitiator.
- Thinner.

## RECOMMENDED TREATMENT LEVELS (Dynes/cm)

		PE	PP	PVC	PET	PS	PVDC	PU	ABS	PTFE	Silicone
Flexo and Gravure	Min.:	38	40	36	42	42	42	38	40	36	40
	Max.:	50	50	50	54	48	52	50	52	52	50

## PRODUCT SAFETY

These inks are **NOT** suitable for **FOOD applications** unless a proper risk assessment proves that its use is safe (e.g. if the process rules out the possibility of set-off in the reel or stack AND if the design of the final printed article ensures reliable functional barrier properties to migration). For further information please contact our local sales team.



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