

UV PACK SERIES

The inks of UV PACK SERIES show very good adhesion on all possible closed substrates. UV PACK SERIES contains carefully selected raw materials to minimise the risk of skin irritation and cause as little odour as possible. It does not contain raw material listed on CEPE or TSCA exclusion list.

TECHNICAL ESPECIFICACIONES

UV PACK SERIES	CODE	LIGHT (IWS)	RESISTANCES		
			ALCOHOL	NITRO	ALKALI
PROCESS YELLOW	C00000080	5	+	+	+
PROCESS YELLOW LF	C000000403	7	+	+	+
PROCESS MAGENTA	C000000076	5	+	+	-
PROCESS MAGENTA LF	C000000402	7	+	+	+
PROCESS CYAN	C000000071	8	+	+	+
PROCESS BLACK	C000000073	8	+	+	+

The UV PACK SERIES is certified by the Institute FOGRA in compliance with ISO 2846-1 standard and is suitable for printing in accordance with ISO 12647-2

PRODUCT FEATURES

- Good adhesion.
- Excellent film lamination properties.
- Good "post-curing" rate.
- Very good rub resistance.
- Contains carefully selected raw materials to minimise the risk of skin irritation and causes as little odour as possible.
- Formulated without benzophenone and ITX.

PRINTING BEHAVIOR

- Application area: letterpress, wet offset.
- UV curing speed: 300 m/min or 9000 sheets/hour (with 3 lamps of 120 W/cm).
- Suitable substrates (Surface tension see "Recommended treatment levels"): high gloss paper and board, hard and soft vinyls (corona treated), coated metals, pre-treated plastic films (polyester, acetate), pre-treated PP films

Recommended treatment levels (dynes/cm):

		PE	PP	PVC	PET	PS	PVDC	PU	ABS	PTFE	SILICONE
LITHO	MIN:	40	40	36	44	42	42	38	42	38	38
	MAX:	50	50	52	56	50	52	52	52	52	52
LETTERPRESS	MIN:	42	40	40	46	42	42	42	45	42	40
	MAX:	54	54	52	60	58	54	56	52	60	56

RECOMMENDATIONS

Cleaning

It is not necessary to wash the press immediately after printing. UV PACK SERIES will not cure in the press and is 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.

Rollers

The following roller material is recommended: EDPM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with UV-inks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks. Certain Metallic UV-inks may cause swelling of EPDM rollers. 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.

Shelf life

UV PACK SERIES has 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: the UV PACK SERIES should be kept on stock at temperatures between 15-20 °C (59-68 °F) and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.

Additives

Different additives can be used to improve the characteristics of this ink: wet additives, cleaning solutions, tack reducer paste, photoinitiators and thinners.

PACKAGING

- 1 kg
- 3 kg

The UV PACK SERIES has been developed by R&D Department of MARTINEZ AYALA, S.A.



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