

UV PAPER SERIES

UV PAPER is the ink series for paper and board for continuous printing with an exceptional lithographic behaviour, being able to run at high speed. UV PAPER 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 PAPER SERIES	CODE	LIGHT (IWS)	RESISTANCES		
			ALCOHOL	NITRO	ALKALI
PROCESS YELLOW	C00000063	5	+	+	+
PROCESS MAGENTA	C00000062	5	+	+	-
PROCESS CYAN	C00000060	8	+	+	+
PROCESS BLACK	C00000061	8	+	+	+

The UV PAPER SERIES meet the ISO 2846-1 standard and is suitable for printing in accordance with ISO 12647-2

PRODUCT FEATURES

- Excellent lithographic properties.
- Optimal UV curing speed.
- Fully laser resistant after correct UV curing.
- Optimal resistance properties will be obtained 24 hours after printing.
- Free of VOC's.
- Soy based ink, qualifying for the Soy Ink Seal.
- Formulation based on renewable raw materials.
- Formulated without benzophenone.

PRINTING BEHAVIOR

- Application area: letterpress, wet offset.
- UV curing speed: 450 m/min (with 3 lamps of 120 W/cm).
- Suitable substrates (min. Surface tension 38 dynes/cm): all kinds of coated and uncoated paper, certain flexible substrates. Preliminary adhesion tests are recommended.

RECOMMENDATIONS

Cleaning

It is not necessary to wash the press immediately after printing. UV PAPER 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 PAPER 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 PAPER 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 PAPER SERIES has been developed by R&D Department of MARTINEZ AYALA, S.A.



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