



CureInk UV – UP 7300

The UP 7300 series of UV inks has been developed for sheet-fed offset, rotary label (letterpress) and continuous forms printing on non-absorbent substrates. The UP 7300 series has very good adhesion properties.

CureInk UV – UP 7300		Fastness properties per DIN 16 524/25				
Euroscale		Light WS	Alcohol	Solvent mixture	Alkali	UV varnish
Yellow	41 UP 7300	5	+	+	+	+
Magenta	42 UP 7300	5	+	+	-	+
Cyan	43 UP 7300	8	+	+	+	+
Black	49 UP 7300	8	+	+	+	+
Lightfast version						
Yellow	41 UP 0028	7	+	+	+	+
Yellow transparent	41 UP 0029	7	+	+	+	+
Magenta	42 UP 0034	7	+	+	+	+

WS = blue wool scale

Special properties

- Good adhesion on non-absorbent substrates.
- High colour intensity.
- Rapid adjustment of a stable ink/water balance.

Range of applications

The UP 7300 series is suitable for:

- pretreated PE, PVC and PP (corona or gas flame) or preprimed material
- aluminium-vaporised paper and board
- aluminium foils

We recommend application of a UV varnish in order to provide effective protection of the print image. See [TI 32.09 E](#) entitled "CureLac UV for UV-curing".

The adhesion (keying) of UV-curing inks and varnishes to plastic films, cast-coated stocks and pretreated metal surfaces may be negatively affected by separating agents, slip agents and plasticisers adhering to these surfaces (especially plastic films). (We advise against printing on unpretreated metal surfaces due to unfavourable adhesion characteristics between UV ink/varnish films and the substrate surface.) Good resistance to the adhesive (Scotch) tape test does not

* Non-absorbent substrates must have a surface tension of at least 38 mN/m in order to ensure optimum ink adhesion. In view of the large number of substrate suppliers and different substrates and substrate grades available, we recommend you carry out an adhesion test prior to beginning the print run.

necessarily imply good scratch resistance (nail test). In such cases, overvarnishing with UV-curing varnishes can help improve scratch resistance. At any rate, UV-cured inks and varnishes must have good tape resistance in order to ensure trouble-free further processing. Due to the differences between the various materials mentioned above, we recommend you carry out tests prior to beginning the print run.

Finishing

For more information, see the [TI 32.10 E](#) entitled "UV-curing inks and varnishes".

Food and confectionery packaging

More information on the subject of food and confectionery (semi-luxury foods and tobacco) packaging can be found in the information sheet entitled "Printing inks for food packaging" published by the German Printing Ink Manufacturers' Association and in the [TI 32.08 E](#) entitled "UV inks and varnishes for food packaging".

Printing auxiliaries

The inks are always supplied ready to use. The following auxiliaries are available to help you adjust the process inks in exceptional cases:

- **UV Paste Reducer 40U 1002** (reduces tack)
- **Activator Paste 40U 1003**

Classification

Code per German law on hazardous substances (GefStoffV): irritant (Xi)

Safety Data Sheet available on request.

Shelf life

At least 12 months when stored under the correct conditions (20 °C, protected against heat and light).

How supplied

2.5-kg cans

Contact addresses for advice and further information: www.hubergroup.de

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