

DELTASPEED UV/SYNT LED

UV LED ink series suitable for plastic substrate.

Applications:

- Offset printing machine with uv/led drier at 385/395 nm;

Substrate:

- Suitable for editions, publicity, packaging and labels onto non absorbent substrate.

Characteristics:

- Fast curing;
- low-odor;
- good gloss;
- very good adhesion onto different plastic substrate.

NOT SUITABLE FOR FOOD PACKAGING!

DELTASPEED UV/SYNT LED		Cod	Light res.	Nitro res.	Alcali res.	UV/WB varnishes res.
Yellow	Process**	217801**	5	+	+	+
Magenta	Process**	217802**	5	+	-	+
Cyan	Process	217803	8	+	+	+
Black	Process	217804	8	+	+	+
Deep Black	Process	217844	8	+	+	+
Yellow L.R.		217817	7	+	+	+
Red L.R.		217818	7	+	+	+

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DELTASPEED UV/SYNT LED	Cod	Light res.	Nitro res.	Alcali res.	UV/WB varnishes res.
Yellow Base**	217811**	4	+	+	+
Warm Yellow L.R.	217888	7	+	+	+
Orange 021	217821	6	+	+	+
Orange L.R.	217895	7	+	+	+
Warm Red L.R.	217808	6	+	+	+
Red L.R. – 032	457295	7	+	+	+
Medium Red - 032**	217832**	5-6	partial*	+	partial*
Rubine Red L.R.	217822	6	+	+	+
Rhodamine	217805	8	+	+	+
Purple	217809	8	+	+	+
Violet	217890	8	+	+	+
Blue 072	217872	8	+	+	+
Reflex Blue	217806	8	+	+	+
Green	217807	8	+	+	+
Black base	217814	8	+	+	+
Transparent White	217800	/	/	/	/
Opaque White	217810	/	/	/	/
Silver	217877	/	/	/	/
Gold R.P.	217700	/	/	/	/

* The limitation to UV / nitro varnishing concerns the use of ink at low concentrations

** In the case of decometal applications where a cooking is required, avoid using these colors. Opt for the use of LR versions. If a drawing / knurling is provided, it is essential to perform a preventive test as the series is not guaranteed for this type of application.

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LITOMATT UV/LED	217438 - OVERPRINTABLE -
V.CE FLEXO GLOSS UV/LED	F431160 - NOT OVERPRINTABLE -
DELTACOTE FLEXO MATT UV/LED	217538 - NOT OVERPRINTABLE -
LITOMATT EFFECT UV/LED	217600 - NOT OVERPRINTABLE -
V.CE FLEXO UV/LED EFFECT	F430460 - OVERPRINTABLE -

In addition there are also available the bi-component metallic inks in the following shades:

- SILVER PASTE 800/N/UV;
- RICH GOLD PASTE 200/UV/NEW;
- R.P. GOLD PASTE 700/UV/NEW;
- PALE GOLD PASTE 900/UV/NEW;

To be mixed with UV / LED paint for metallised ink:

- UV VARNISH X INK MET LED 195222.

Ratio to get the silver ink; 7:3 (7 parts of varnish, 3 part of paste);

Ratio to get the gold ink; 6:4 (6 parts of varnish, 4 part of paste);

And in case of adhesion problem on to plastic substrate:

PRIMER UV/SYNT LED 290066 (we suggest to apply it without fountain solution/dry offset)

PLEASE, CHECK BEFORE THE PRODUCTION RUN THE ADHESION OF THE PRIMER ON

TO PLASTIC SUBSTRATE.

Since this is a series dedicated to the printing of plastic materials, in order to avoid unpleasant inconveniences, we always recommend a preventive test to check adhesion to the printing support, especially in cases where a lamination (credit card) is not guaranteed.

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DELTASPEED UV/SYNT LED ink series has been formulated for UV/LED lamp at 385/395 nm. DELTASPEED UV/SYNT LED ink series is formulated in accordance to ISO 2846-1:2006 that specifies the colour and transparency characteristics that have to be satisfied by each ink in a process colour ink set intended for proof and production printing using offset lithography. The specified printing conditions (which use a laboratory printability tester), the defined substrate and a method for testing to ensure conformance are also defined. Characteristics are specified for inks used for sheet-fed processes.

DELTASPEED UV/SYNT LED inks have comparable printability to conventional ones; the printing machine must be equipped with rollers and blankets resistant to esters and with thermo hardened plates.

Due to the different formulation, UV inks cannot be mixed with conventional inks and the additives used must be specific for UV systems.

DELTASPEED UV/SYNT LED inks have different formulation compared to UV inks so it is strongly recommended not to mix them, this fact may influence negatively polymerization.

Because of their high reactivity, DELTASPEED UV/SYNT LED inks can, over time, withstand an increase of viscosity.

DELTASPEED UV/SYNT LED inks must be stored in a cool and dark place and used within 12 months from production date.

The polymerization speed depends on several factors:

- lamp power
- Thickness of ink layer / Printing speed

CONFEZIONI: inks: 2.5 Kg plastic cans

Varnishes: 20 kg metallics cans / IBC 1000 kg