



Technical Information

5.07.01 | 06.2009 | UV-curing inks and varnishes



NewV label® – UL 2200

The UL 2200 series of UV inks has been developed for printing labels on UV rotary presses.

NewV label - UL 2200		Fastness properties per DIN 16 524/25				
Euroscale		Light WS	Alcohol	Solvent mixture	Alkali	UV varnish
Yellow	41 UL 2200	5	+	+	+	+
Magenta	42 UL 2200	5	+	+	-	+
Cyan	43 UL 2200	8	+	+	+	+
Black	49 UL 2200	8	+	+	+	+

Special properties

- Fast-curing ink series
- Good flow properties
- Low-odour formulation
- Good adhesion**
- ITX-free formula
- Suitable for further methods of finishing, such as thermotransfer printing, hot foil stamping, etc.*

* In view of the large number of substrate suppliers and different substrates and substrate grades available (hot-stamping foil, toner, etc.), we recommend you carry out a test prior to beginning the print run.

Range of applications

The UL 2200 series is suitable for:

- Coated and uncoated papers
Highly absorbent stocks can greatly reduce the curing speed.
- Top-coated grades of paper**
- Thermal papers
A number of thermal papers react to UV vehicles. For this reason, always carry out a test prior to beginning the print run.
- Pretreated (corona or gas flame) or preprimed, non-absorbent substrates such as PE, PVC, PS, PP, etc.**

** 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.

We recommend application of a UV varnish in order to provide effective protection of the print image (see TI 5.10.02 entitled "NewV lac for UV curing").



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:

- **NewV sup Paste Reducer 40 U 1002 max. 10%**
- **NewV sup Activator Paste 40 U 1003 max. 5%**

For further auxiliaries, see TI 5.12.01 entitled „NewV sup UV printing auxiliaries“.

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 TI 5.04.01 entitled „NewV UV inks and varnishes for food packaging“.

Classification

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

1-kg cans