



NewV lac[®] gloss for UV curing

For duct unit

NewV lac gloss duct unit varnishes offer an alternative in case no coating unit is available. They have high gloss, high mechanical stability and chemical resistance to protect and to upgrade the printed product.

NewV lac gloss varnishes listed below are suitable for in-line and off-line application and for conventional mercury vapour lamps. They have high reactivity, even surface, very good running characteristics and low tendency to yellowing.

These products do not include volatile solvents, therefore their application does not lead to VOC emission. They are ITX and benzophenone free.

Name	Description	Sales Code	Gloss ¹⁾	Slip ¹⁾	Adhesion ¹⁾
NewV lac gloss	Standard high gloss varnish for very good scratch and rub resistance.	40UC1220	10	8	7
NewV lac gloss protection	High slip varnish for very good scratch and rub resistance.	40UC1230	8	9	10
NewV lac gloss stampable	Stampable varnish for very good gloss results. Recommended also for thermal transfer overprinting - prior tests are needed. Includes no silicon. Benzophenone-derivate free.	40UC1314	9	5	n.a. ²⁾

¹⁾ On a scale from 1 to 10 (1=low, 10=high)

²⁾ Not applicable because of the strong adhesion between the tape and the varnish.

Substrates

- Coated papers and cardboards
- Metalized substrates
- Plastic substrates such as PE, PET, PP, OPP, BOPP, PVC, etc.

In case of plastic substrates minimum 38 dyne/cm surface tension is required to achieve good adhesion. By the reason of the quality differences between the available plastic substrates, we recommend to conduct test before starting the commercial printing.

Application

Recommended rollers and blanket materials: EPDM and nitrile

Please consider that the quality of the dried varnish layer depends on the substrate surface as well. Highly absorbent papers and cardboards can cause insufficient curing, lower gloss values, poor slip properties and rub resistance problems.

Inks containing pigments with weak fastness properties, as well as mixtures from these colours, may change shade after UV coating.

Applying UV varnish on a non-sufficiently dried ink layer can cause trapping problems. The result can be not even surface, pin-holing, the well-known "orange peel effect", or the poor adhesion to the ink layer.

Stampable varnishes are recommended for hot- and cold-foil stamping, UV overprinting and for most thermal transfer overprinting applications. But based on the different thermal transfer printers available on the market, we recommend carrying out a test before the commercial print run.

For further application information please read our technical information sheet *50.G.001 UV curing inks and varnishes for offset printing - Directions for use* and for varnishes on conventional prints the TI *50.G.003 UV coating of conventional offset prints*.

Auxiliaries

For information please read our technical information *50.A.002 NewV sup Auxiliaries for UV varnishes*.

Food and confectionery packaging

The products listed above are not suitable for printing primary food packaging or secondary packaging where the primary layer is not a barrier against migration of substances from the printed layer to the packed product. More information on the subject of packaging for food, cosmetics, pharmaceutical products, tobacco can be found in the information sheet *50.G.002 NewV for food packaging*. Please also find information on the webpage of the European Printing Ink Association: www.eupia.org.

In case you are interested in UV varnishes for the applications mentioned above, please contact us for recommendations.

Classification

Safety data sheet is available on request.

Shelf life

6 months from the delivery date if the container is not opened. Store between 5 - 25°C. Higher storage temperature may reduce shelf life. Protect from frost and sunlight. The cans need to be closed back immediately after usage.

Packaging

2,5kg one-way can

10 kg one-way can