

NewV lac[®] gloss for electron beam curing

For duct unit

NewV lac gloss EB varnishes are designed for electron beam curing technology with duct unit application. They have high gloss, high mechanical stability and chemical resistance as well as high reactivity, even surface, very good running characteristics and low tendency to yellowing.

They do not include volatile solvents, which means their application does not lead to VOC emission and by the reason of the special curing technology the EB products have **photoinitiator free formulations**.

Name	Description	Sales Code	Gloss ¹⁾	Slip ¹⁾	Adhesion ¹⁾
NewV lac gloss EB stampable	Stampable gloss varnish for very good gloss results. Recommended also for thermal transfer overprinting - prior tests are needed. Includes no silicon.	40UCB1204	9	2	n.a ²⁾
NewV lac gloss EB stampable	Developed for achieving improved transport resistance. Recommended also for thermal transfer overprinting - prior tests are needed. Includes no silicon.	40UCB1205	9	5	n.a ²⁾

¹⁾ On a scale from 1-10 (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.

Applying EB 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.

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

Stampable varnishes are recommended for hot- and cold-foil stamping, UV-EB 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.

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.

Classification

Safety data sheet is available on request.

Shelf life

The minimum shelf life of these products is 12 months from the production date if the container is not opened. But dependent on the storing and handling conditions, they can be usable much longer. For extending the warranty period, please contact our sales representatives.

Further information: 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

2,5 kg one-way can

10 kg one-way can