



## NewV pack

ITX-free UV process ink for sheet-fed offset, rotary and narrow web offset printing on absorbent substrate

**NewV pack** series are ITX free, low odour and high colour intensity inks, developed for premium packaging on absorbent substrates. They are recommended for sheet-fed offset, rotary label (letterpress) and narrow web offset applications with mercury lamp curing unit.

### Properties

We recommend the **NewV pack UG 4000** series for standard applications with the following properties:

- Stable ink / water balance
- Fast curing
- High gloss
- Low dot gain
- Good transfer
- High mechanical resistance
- Wide range of fountain solution tolerance
- Suitable for laser printers, hot-foil and cold-foil stamping (test is necessary)
- Colour shades in accordance with ISO 2846-1 and ISO 12647-2

Process colours	Sales code	Fastness properties according to ISO 12040 / ISO 2836				
		Light WS	Alcohol	Solvent mixture	Alkali	UV varnish
Yellow	41 UG 4000	5	+	+	+	+
Magenta	42 UG 4000	5	+	+	-	+
Cyan	43 UG 4000	8	+	+	+	+
Black	49 UG 4000	8	+	+	+	+
<b>Lightfast versions</b>						
Yellow transparent	41 UG 4001	7	+	-	+	+
Magenta	42 UG 4001	7	+	+	+	+

We recommend the **NewV pack UG 5000** series for high performance applications (also for high speed narrow web machines) with the following properties:

- Higher reactivity, fast curing
- Rapid adjustment of a stable ink / water balance
- High gloss
- Low dot gain
- Good transfer
- IPA free printing
- High mechanical resistance
- Suitable for laser printers, hot-foil and cold-foil stamping (test is necessary)
- Colour shades in accordance with ISO 2846-1 and ISO 12647-2

Process colours	Sales code	Fastness properties according to ISO 12040 / ISO 2836				
		Light WS	Alcohol	Solvent mixture	Alkali	UV varnish
Yellow	41 UG 5000	5	+	+	+	+
Magenta	42 UG 5000	5	+	+	-	+
Cyan	43 UG 5000	8	+	+	+	+
Black	49 UG 5000	8	+	+	+	+

## Substrates

The **NewV pack** series are suitable for:

- Coated and uncoated papers and cardboard stocks.  
Conditionally recommended for pre-treated PE, PP (corona or gas flame) or pre-primed material<sup>1</sup>
- Top-coated grades of board<sup>1</sup>

## Applications

By the reason of the high mechanical stability of the cured ink layer, on coated papers no varnish protection is needed, however in case of special substrates or more demanding applications we recommend to use UV varnish in order to provide effective protection for the printed image (see Technical information about "NewV lac for UV curing").

Please consider that highly absorbent stocks can significantly reduce the curing speed and the surface properties.

## Food and confectionery packaging

The products listed above are not suitable for printing primary food packaging. More information on the subject of packaging for food, cosmetics, pharmaceutical products and tobacco can be found in the information sheet 50.G.002 NewV for food packaging and on the webpage of the European Printing Ink Association: [www.eupia.org](http://www.eupia.org).

## Printing auxiliaries

The **NewV pack** inks are ready to use products. In case small adjustments are needed for special requirements, please find the recommended additives in our technical information sheet: *50A001 NewV sup\_Auxiliaries for energy curing offset printing*.

## Classification

Safety data sheet is available on request.

## Shelf life

12 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

2.5 kg cans

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<sup>1</sup> Non-absorbent substrates must have a surface tension of at least 38 mN/m in order to ensure optimum ink adhesion. We generally recommend running an adhesion test before beginning the actual print run.

Contact addresses for advice and further information can be found under [www.hubergroup.com](http://www.hubergroup.com) This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.