



## NewV maxx

UV curing ink for sheet-fed offset for printing on absorbent and non-absorbent substrates

The **NewV maxx** series is developed for applications when switching between absorbent and non-absorbent substrates is necessary. It is recommended for sheet-fed offset, rotary label (letterpress) and continuous forms printing for mercury lamp applications.

**NewV maxx** inks are VOC free, they do not include solvents, and their formulation is free from ITX.

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

### Properties

- High reactivity
- Rapid adjustment of a stable ink / water balance
- Good adhesion on absorbent and non-absorbent substrates
- Fast curing
- High colour intensity
- High rub resistance
- Low odour
- Very good transfer
- Colour shades in accordance with ISO 2846-1 / ISO 12647-2

### Substrates

**NewV maxx** is suitable for:

- Coated and uncoated papers and cardboard stocks
- Top-coated grades of board<sup>1</sup>
- Pretreated, non-absorbent substrates such as PE, PP, PVC, PS, etc. <sup>1</sup>
- Aluminium-vaporised paper and cardboard stocks<sup>1</sup>
- Aluminium foils<sup>1</sup>

### Applications

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

**NewV maxx** inks are recommended for EPDM rollers.

<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.

We recommend the application of UV varnish in order to provide effective protection for the printed image. See Technical information sheets about NewV lac for UV curing.

## **Printing auxiliaries**

The **NewV maxx** 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 UV offset printing*.

## **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).

## **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