



UV-curing CRSm^{ax} system

Metal deco inks for the UV-curing offset spot colour ink mixing system

The UV-curing **CRSm^{ax}** ink mixing system (Computer-Recipe-System) includes print ready base colours with high pigment concentration and individual fastness properties. Besides the colours, transparent white, opaque white and black can also be found in the assortment. The inks below are designed for conventional mercury lamp applications.

The benefits of the **CRSm^{ax}** system:

- Individual control on all the fastness properties
- Fast and safe matching of spot colour inks
- Smart opportunity to reduce left-over inks
- Gives possibility to rework the left-over inks that were mixed from UV-curing **CRSm^{ax}** base inks
- Reduction of ink stock from uncountable spot colours to a few base colours

Properties

- Good adhesion on non – absorbent substrates
- High colour intensity
- High Gloss
- ITX – free
- Rapid adjustment of a stable ink / water balance
- Draw ability
- Sterilization ability
- Substrates

Substrates

The **NewV tin** printing inks are suitable for:

- White-coated tin plate
- Transparent primed tin plate

Applications

We recommend the application of UV varnish in order to provide effective protection for the printed image (see Technical information about “NewV lac for UV curing”).

The adhesion of UV curing inks and varnishes pre-treated metal surfaces may be negatively influenced by separating agents, lubricants or plasticisers adhering to these surfaces. We recommend not printing on metal surfaces that are not pre-treated due to unfavourable adhesion characteristics between UV ink/varnish films and the substrate surface.

The good resistance result of the adhesive (Scotch) tape test does not necessarily imply good scratch resistance (nail test). In such cases the application of a UV curing varnish can help to improve the scratch resistance. Due to the differences between wide ranges of substrates mentioned above, we recommend you to carry out tests before you start the commercial print run.

For more information, please see our Technical Information “NewV UV-curing inks and varnishes”.

Basic colours – metal deco

Colour	Sales code	Heat resistance 10min @ 210°C	Sterilization	Light fastness (WS)	Spirit	Solvent mixture	Alkali
Yellow	41UT7805	+	+	7	+	+	+
Yellow greenish	41UT7871	+	+	6	+	+	+
Yellow reddish	41UT7872	+	+	6	+	+	-
Orange reddish	41UT7873	+	+	6	+	+	+
Warm Red	42UT7875	+	+	6	+	+	+
Red bluish	42UT7829	+	+	6	+	+	+
Rhodamine Red	42UT7812	+	+	7	+	+	+
Violet	43UT7826	+	+	7	+	+	+
Process Blue	43UT7820	+	+	8	+	+	+
Green	44UT7822	+	+	8	+	+	+
Mixing Black	49UT7800	+	+	8	+	+	+
Transparent white	40UT7850	+	+		+	+	+
Mixing white opaque	47UT7840	+	+	8	+	+	+

+ yes - no /= conditionally recommended na. not applicable

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

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 can

Contact addresses for advice and further information can be found under 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.