



Martin Kremmeter:
Laboratory: UV-Ink systems

SCREEN PRINTING INK – FAST AND HIGHLY REACTIVE

80UV RANGE

The 80UV product range is the first choice for printing on polyolefins (polyethylene, polypropylene) containers. The highly reactive inks are best suited for high speed multicolour lines. Best results can be obtained when all inks are printed in just one machine run.



THE PRODUCT RANGE FOR PRINTING ON PLASTIC CONTAINERS

Compared with **80UV**, ink range **81UV** has a better rheology. Depending on type of the printing equipment, 81UV may possibly be the better alternative.

Ink range **83UV** is designed for curing with UV-LED lamps but fully maintains the good performance of the other inks of this group formulated for conventional UV curing.

The low migration potential is the special feature of **85UV**. This low-migration ink is suitable for printing on food packaging. This version is also adjusted ready for highspeed printing.

Our latest member in this group is our new **Ultra-Low-Migration series 86UV**.

We have sent realistic test prints to a leading accredited testing institute in Germany.

Conformity according to § 31 LFGB (German Food and Feed Code) or European Frame Regulation (EC) No 1935/2004 has been confirmed. The specific migration of individually regulated substances according to Annex I of European Regulation on plastic materials (EU) No 10/2011 is below the individual specific migration limit (SML). To ensure that the extremely low migration can be met, we do not offer any additives or auxiliary agents for this ink series users may add themselves.

We offer a ready-to-print, if necessary, customized product to guarantee the maximum possible security.



TECHNICAL DATA

- **Ink Type:** Screen printing ink
- **Base:** UV-radiation curing
UV-LED-curing
- **Gloss level:** High
- **Reactivity:** High

80UV



Ready for use on highspeed multi-colour printing lines: medium viscosity with only a slight thixotropy, mainly for technical packaging such as cartridges.

Alternatively:
Hardener Additive UV/H

81UV



Like 80UV but with higher thixotropy, mainly for printing on buckets and bottles made of PE/PP.

Alternatively:
Adhesion Promoter 551903

83UV



Like 81UV, optimized for UV-LED curing

85UV



Low-Migration version of 80UV, also suitable for food packaging



86UV



Next Generation: Advancement of 85UV with extremely low migration potential, hence preferred for direct printing on food packaging materials



Our Laboratory, UV-Ink systems and Applications Department are working closely together