

UV-LOW MIGRATION II

ON THE FINISHING LINE TOWARDS
„SWISS ORDINANCE“ & OTHERS.

Edwin Tafelmeier
Laboratory Manager



85UV - COATES SCREEN INKS INTRODUCES THE NEW TRIAL INK RANGE FOR PRINTING ONTO PE/PP PACKAGING MATERIALS

Currently Low Migration is one of the most important issues discussed in the package printing industry. We, Coates Screen have actively been working on good solutions. Just a few years ago, we introduced our ink range 80UV for printing of packaging materials made of PE/PP (see our Screen News 2012). Meantime 80UV

ink range is well known on the market. During the development of 80UV we already stopped using monomers such as NVC due to their high migration potential. Meantime the raw material N-Vinylcaprolactam (NVC) has been banned from use in commercial printing inks according to the EuPIA raw material exclusion list.

During the development of 85UV we notched up our performance and succeeded in reducing the migration potential of acrylic monomers by approx. 75% without jeopardizing properties such as reactivity, adhesion and resistances. The properties are just as good as those of 80UV.



Then we were quite right to describe 80UV as a “Low Migration” ink; however “low values” are not always “low” enough. The highest standards have to be met for food package printing and one can always improve something good.

IS 85UV SUITABLE FOR DIRECT PRINTING OF FOOD PACKAGING?

That depends on printing conditions. One of the world’s leading special analysis service companies has issued a certificate of conformity for a print sample applied with 85UV on PE packaging material. Thus Coates Screen Inks GmbH has demonstrated that basically ink series 85UV may be suitable for printing of food packaging, however, suitability has to be evaluated and confirmed for each individual application.

LOW - LOWER - LOWEST

Surely possible limits have not been achieved yet, we will continue with our developments regarding this issue.

We do set our priorities in close cooperation with our customer and their requirements. Surely it is not yet possible to achieve a complete non-migration. Besides technical performance is still an important necessity. The new regulations surely require a lot of efforts and expenses. If you have any questions please contact us, we are staying right on the track...

Edwin Tafelmeier
Laboratory Manager

+49 911 64 22-241 +49 911 64 22-283
edwin.tafelmeier@sunchemical.com