

Quality of Printing Inks

Information on tolerances which may result in optical deviations from batch-to-batch

General

2019

25.Nov

Marabu has been manufacturing printing inks for more than 50 years, and offers a range of over 70 ink series for screen, pad, and digital printing. For screen and pad printing, the focus is in particular on ink systems for industrial applications in differing segments such as automotive, membrane switches, etc.

With this TechINFO we would like to provide more detailed information about ink quality, tolerances, and optical appearance.

Marabu takes pride in offering high and consistent product quality. Our Marabu Management System, which is the foundation for our regular DIN 9001 and DIN 14001 certifications, plays an important role in achieving this goal. Providing a modern production environment, however, is another cornerstone - and last not least, our qualified production personnel. Finally, our Quality Control Department (QC) makes sure that each and every batch of our products complies with our narrow tolerances.

Ink Production and Tolerances

Each ink series and each shade is manufactured according to a pre-defined production plan, and is released after passing an individual test procedure. These test procedures are customized for the different ink lines and their intended applications.

Furthermore, we exclusively use raw materials from renowned, certified manufacturers to ensure long-term supply of materials with the lowest tolerances possible. This is a factor of considerable importance for major companies who have been using our inks for many years.

Optical Deviations

We have sporadically received enquiries about batches of transparent or white shades showing visual deviations. The enquiries involved e.g. the below mentioned standard or special products:

910-916	Overprint Varnish
405/408/409	Transparent Paste
902/904	Bronze / Special Binder
070/970/170	White / Opaque White

All printing inks contain a large number of different components that are subject to their own tolerances. The addition of these tolerances may result in varying visual appearances of the finished product (see image).



The separation of these individual components, however, may affect the optical appearance in a similar way. Therefore, it is necessary to stir the ink homogeneously, and to evaluate the printed colour proof.

The printed colour proof is decisive and not the optical appearance of the product in the container.

Contact

In the event of any queries, please contact:

Technical Hotline

Phone: +49 7141 691140

technical.hotline@marabu.de