

Technical Data Sheet

Dokumental® Glitter Highlighter Inks

Glitter Highlighter Inks in Metallic, Pastel And Fluorescent Colours

General Information

Our Glitter Highlighter Inks are available as Metallic, Pastel and Fluorescent Highlighter Inks. We offer a Gold-Line with golden glitter effect and a Silver-Line with a silver-metallic glittering effect. The inks are water-based and formulated without micro-plastic. The inks are also formulated to be in accordance EU toy directive 2009/48/EC. The inks are suitable for reservoir systems with special low density reservoirs and nibs (see Technical Advice).

Suitable Surfaces

All kinds of porous paper

Applicable Standards & Regulations

Unless expressly agreed, no warranty is given that all standards & regulations relevant to the Customer's intended use have been and will be complied with. To the extent that compliance with certain standards & regulations is warranted, this warranty shall only apply at the time the underlying contract is entered into. There is no guarantee that the products will continue to comply with the standards & regulations in the event of future changes. Dokumental also assumes no obligation to inform the Customer of any changes to such standards & regulations that may be relevant to the Customer.

Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 1.0	Surface tension mN/m ± 3.0	pH-Value	Density at 20°C g/cm ³ ± 0.03
Dokumental® GH 100.1 GTS	Fluo Yellow Gold	5.3	35.0	10.5 +/- 1.0	1.12
Dokumental® GH 110.1 GTS	Fluo Green Gold	5.1	35.0	10.5 +/- 1.0	1.12
Dokumental® GH 120.1 GTS	Fluo Orange Gold	5.5	43.0	8.2 +/- 1.0	1.09
Dokumental® GH 105.1 GTS	Pastel Yellow Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 115.1 GTS	Pastel Green Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 125.1 GTS	Pastel Orange Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 145.1 GTS	Pastel Pink Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 155.1 GTS	Pastel Turquoise Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 175.1 GTS	Pastel Purple Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 185.1 GTS	Pastel Grey Gold	2.9	45.0	8.5 +/- 0.5	1.07
Dokumental® GH 190.1 GTS	Metallic Gold	2.9	45.0	8.5 +/- 0.5	1.09
Dokumental® GH 200.1 STS	Fluo Yellow Silver	5.7	35.0	10.5 +/- 1.0	1.13
Dokumental® GH 205.1 STS	Pastel Yellow Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 210.1 STS	Fluo Green Silver	5.4	35.0	10.5 +/- 1.0	1.14
Dokumental® GH 215.1 STS	Pastel Green Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 220.1 STS	Fluo Orange Silver	5.7	43.0	8.2 +/- 1.0	1.10
Dokumental® GH 225.1 STS	Pastel Orange Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 245.1 STS	Pastel Pink Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 255.1 STS	Pastel Turquoise Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 275.1 STS	Pastel Purple Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 285.1 STS	Pastel Grey Silver	2.5	31.0	7.5 +/- 1.5	1.07
Dokumental® GH 290.1 STS	Metallic Silver	2.8	31.0	7.7 +/- 1.0	1.10

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Technical Advice

Suitable Components:

Bullet Nibs: Teibow Acrylic Fiber Nib GP447C-SY
Brush Nibs: Teibow EX-NRFC-240HNAK-2

For other optimized nibs please also contact nib producer for further information

Fibre Reservoir:

Gold and Silver Line: De Martini CPES3671 (Polyester)
Gold Line: Porex XPE441998

Barrel, Caps, Plugs: Polypropylen, Polyethylene

It is mandatory to approve suitability and compatibility of the inks and the components as well as the performance of the writing system.

Before use of our product the filling station has to be maintained and cleaned carefully. The inks are sensitive to any kind of contamination (e.g. chemical or microbial contamination). Cross-contamination of the inks lead to a colour mismatch or will even lead to a defective marker of shorter shelf life.

The inks contain biocides to prevent microbial growth, but for best protection we additionally recommend to ensure best hygienic conditions in production areas as well as cleanliness of all marker components.

Storage, Handling & Transportation

Store our product frost protected and avoid direct sunlight. The recommended storage temperature is between 10 °C and 30 °C. Storage temperature of above 30 °C for several days bear the risk of a reduced shelf life of the inks.

Shelf life of the inks is 1 year (preliminary fixing).

Storage of the markers: Nib up storage will reduce the glitter effect. Markers should be stored either horizontally or nib down. Basically nib down storage ensures the best glitter effect. But customer must make sure that nib down storage will not lead to nib blockage in the long term.

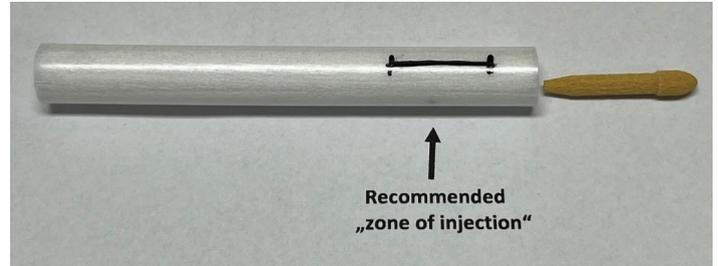
Processing instructions:

The glitter pigments quickly settle in the inks. The pigment can be redispersed easily. The inks must be stirred for about 5 to 10 minutes using a propeller stirrer at ambient speed (foam formation should be avoided). After this all pigment should be redispersed in the ink. Check that no more pigment is settled at the bottom of the drum before starting the use of the ink (filling process).

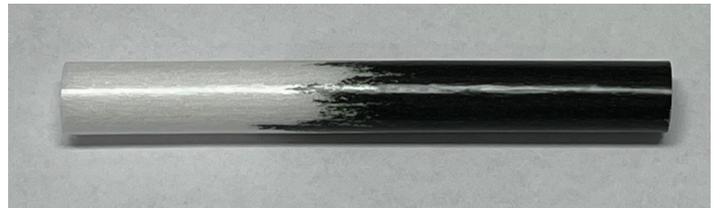
The inks must be stirred as well during filling process, because the pigments settle quickly. Make sure that glitter pigments do

not settle inside the filling station (hoses, pumps, etc.).

Injection should be done close to the nib end of the reservoir:



After injection ink and pigment should be located at the nib side of the reservoir. The nib end of the reservoir must be well wetted with ink.



After ink injection and inserting the nib, the marker must be kept nib down for at least 1 hour.

Freshly filled markers with silver-line glitter may show a low glitter effect. In this case it is necessary to write the markers for a certain distance (in our marker model 2 to 3 meters) to let the glitter pigment flow into the nib. The preferred storage direction of the markers is nib down to ensure a good glitter effect upon starting.

Packaging

20 kg plastic drum
200 kg plastic drum
1,000 kg IBC

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