

Technical Data Sheet

Dokumental® CC 32xx Magic Inks

Magic Inks With a Single Colour Change

General Information

The fibre pen inks of Dokumental® CC 32xx series are magic inks with a single colour change. The colour can be changed by using the erasing liquid Dokumental® LF 4205.1.

Applicable Standards & Regulations on request

Suitable Surfaces

For all kind of papers

Physical Data

Type	Colour	Changed Colour	Viscosity at 20°C mPa s ± 0.5	Surface tension mN/m ± 2.0	pH-Value ± 1.0	Density at 20°C g/cm ³ ± 0.01
Dokumental® CC 3200	blue	yellow	2.7	29.7	3.0	1.04
Dokumental® CC 3201	blue	green	2.7	29.5	3.5	1.04
Dokumental® CC 3202	blue	turquoise	2.0	29.5	2.7	1.04
Dokumental® CC 3203	blue	grey	2.6	29.8	4.7	1.04
Dokumental® CC 3213	black	pink	2.3	30.0	2.5	1.04
Dokumental® CC 3220	red	yellow	2.3	30.6	2.6	1.04
Dokumental® CC 3230	green	yellow	2.1	30.5	2.7	1.04
Dokumental® CC 3232	yellow green	brown	2.6	31.0	3.3	1.04
Dokumental® CC 3233	green	orange	2.5	30.0	2.9	1.04
Dokumental® CC 3235	green	yellow	2.1	30.2	4.3	1.04
Dokumental® CC 3236	green	orange	2.5	29.8	3.7	1.04
Dokumental® CC 3231	yellow green	blue	2.0	29.0	3.5	1.04
Dokumental® CC 3241	violet	pink	2.4	30.1	3.3	1.04
Dokumental® CC 3250	brown	green	2.6	30.8	2.6	1.04
Dokumental® CC 3251	dark brown	green	2.9	30.0	4.8	1.04
Dokumental® CC 3252	red brown	pink	2.1	29.7	2.4	1.04
Dokumental® CC 3253	light brown	pink	2.5	29.6	2.4	1.04
Dokumental® CC 3256	red brown	red	2.5	31.5	3.0	1.04
Dokumental® CC 3254	brown	blue	2.5	30.0	2.0	1.04
Dokumental® CC 3260	yellow	red	2.4	31.5	4.0	1.04
Dokumental® CC 3261	orange	pink	2.5	29.2	2.2	1.04
Dokumental® CC 3280	grey	green	2.6	30.6	3.4	1.04

Magic Inks With a Single Colour Change

Technical advice:**Suitable Components**

Nibs: acrylic material, sintered polyethylene, polyester

Depending on the chemical characteristics of the nibs a slight colour change of the ink during storage at elevated temperatures might be possible. Nibs made from polyamide are not recommended due to higher possibility of colour changes. Therefore a careful test of the nibs is essential

Reservoirs: polyester (the compatibility with acetate reservoirs must be tested in advance)

Barrels, Caps, Plugs: polypropylene, ABS, polystyrene, butadienstyrene, polyethylene

The Colours may also change slightly in the first days after application.

It is mandatory to approve the compatibility of the ink and the components as well as the performance of the writing system in advance. Cap and plug must close tightly.

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 contaminations). Cross-contamination of the inks may lead to a colour mismatch or will even lead to a defective marker or 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. Recommended storage temperature for the product is between 10°C and 30°C. Storage temperatures above 30°C for several days bear the risk of a reduced shelf life of the ink.

The shelf life of the inks in original sealed containers is two years. Make sure that the drums are closed tightly after they were opened.

Packaging

20 kg plastic drum

200 kg plastic drum

1,000 kg IBC

Produced by

DOKUMENTAL GmbH & Co KG

Wöllnerstraße 26

D-67065 Ludwigshafen

Phone: +49(0)621/37702-200

Fax: +49(0)621/37702-391

Mail: info@dokumental.de

www.dokumental.de