

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.

Suitable Surfaces

For all kind of papers

Certificates / Approvals / Regulations

ASTM D-4236: ¹ the marked inks are ASTM D-4236 approved. The finished markers need separate ASTM D-4236 approval

EN 71/3 (Safety of Toys, Migration of certain elements) and the US-Standard ASTM F963-91.

ISO 9001

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 ¹	yellow	2.7	29.7	3.0	1.04
Dokumental® CC 3201	blue ¹	green	2.7	29.5	3.5	1.04
Dokumental® CC 3202	blue ¹	turquoise	2.0	29.5	2.7	1.04
Dokumental® CC 3203	blue ¹	grey	2.6	29.8	4.7	1.04
Dokumental® CC 3213	black ¹	pink	2.3	30.0	2.5	1.04
Dokumental® CC 3220	red ¹	yellow	2.3	30.6	2.6	1.04
Dokumental® CC 3230	green	yellow	2.1	30.5	2.7	1.04
Dokumental® CC 3231	yellow green ¹	blue	2.0	29.0	3.5	1.04
Dokumental® CC 3232	Yellow green ¹	brown	2.6	31.0	3.3	1.04
Dokumental® CC 3233	green	orange	2.5	30.0	2.9	1.04
Dokumental® CC 3234	yellow	red	2.5	31.5	3.1	1.04
Dokumental® CC 3235	green ¹	yellow	2.1	30.2	4.3	1.04
Dokumental® CC 3236	green ¹	orange	2.5	29.8	3.7	1.04
Dokumental® CC 3241	violet ¹	pink	2.4	30.1	3.3	1.04
Dokumental® CC 3250	brown ¹	green	2.6	30.8	2.6	1.04
Dokumental® CC 3251	dark brown ¹	green	2.9	30.0	4.8	1.04
Dokumental® CC 3252	red brown ¹	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 3254	brown	blue	2.5	30.0	2.0	1.04
Dokumental® CC 3256	red brown	red	2.5	31.5	3.0	1.04
Dokumental® CC 3260	yellow ¹	red	2.4	31.5	4.0	1.04
Dokumental® CC 3261	orange ¹	pink	2.5	29.2	2.2	1.04
Dokumental® CC 3280	grey	green	2.6	30.6	3.4	1.04

¹ASTM D-4236 approved.

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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 polyamide are not recommended due to possible colour changes. Therefore a careful test with nibs is essential

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

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

Packaging

standard packaging: 20kg plastic canister (further packaging units on request).

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Storage, Handling & Transportation

Depending on water quality inks FA 2400 and FA 2410 made by concentrates should be decanted after a settling time of 24 hours.

Store frost protected. Optimal storage temperature is between 0 and 30°C. Storage temperatures above 30°C can result in reduced shelf life of the bulk inks.

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