

# Technical Data Sheet

## Dokumental® CF 58xx Highlighter Inks

### Water-Based, Dye-Based Highlighter Inks

#### General Information

The dye-based highlighter inks of Dokumental® CF 58xx series have high brilliancy and can be used on all kinds of paper. Unlike other highlighter inks they are also suitable for thermo-sensitive paper.

#### Suitable Surfaces

Compatible with standard papers and thermo sensitive paper

#### Applicable Standards & Regulations on request

#### Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 0.5	Surface tension mN/m ± 2.0	Density at 20°C g/cm <sup>3</sup> ± 0.02	pH-Value ± 1.0
Dokumental® CF 5800	yellow	3.8	32.2	1.16	10.5
Dokumental® CF 5810	green	4.0	33.5	1.16	10.5
Dokumental® CF 5812	yellow green	4.2	33.9	1.16	10.8
Dokumental® CF 5824	orange	2,8	36.0	1.06	4.0
Dokumental® CF 5842	dark pink	2.4	38.4	1.10	4.2
Dokumental® CF 5846	pink	3.5	29.0	1.07	6.0
Dokumental® CF 5850	blue	2.8	38.0	1.10	5.3
Dokumental® CF 5860	red	4.6	36.2	1.17	10.7
Dokumental® CF 5861	yellow red	2,5	40.0	1.12	4.0
Dokumental® CF 5871	violet	2.4	38.5	1.10	5.8

#### Technical Advice

##### Suitable Components

**Nibs:** polyester, foamed polyethylene with high porosity  
**Reservoirs:** polyester, polypropylene (acetate reservoirs are not compatible with these inks).  
**Barrels, Caps, Plugs:** polypropylene, ABS, butadiene-styrene, polyethylene.

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 of the marker must close tightly.

All plastic parts should be made of material with low vapour permeability. Polypropylene and butadiene-styrene (BS) is most suitable.

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.

Due to the high pH-value of some inks the compatibility with the nibs has to be tested.

#### 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