

## Water based Permanent Marker Ink With Colourburst Effect

### General Information

These waterbased and pigmented opaque inks are suitable for use on black, white and other neutral shades of paper. Colour Burst Inks can also exhibit nice and interesting effects on glass, plastic and metal surfaces. This kind of ink develops opacity as the ink dries. They give the appearance of the colour "bursting" to full view over a few seconds. The inks do not need a valve action marker for their delivery and can be used in regular capillary fed markers.

### Physical Data

Type	Colour	Viscosity at 20°C mPa s	Surface tension mN/m ± 3.0	pH-Value ± 1.0
Dokumental® CB 8100.1	blue	10.0 ± 3	41	8.8
Dokumental® CB 8110.1	black	5.0 ± 2	40	8.3
Dokumental® CB 8120.1	red	9.0 ± 3	40	8.8
Dokumental® CB 8130.1	green	9.0 ± 3	40	8.8
Dokumental® CB 8131.1	teal	8.5 ± 3	40	8.8
Dokumental® CB 8140.1	violet	14.0 ± 3	37	8.8
Dokumental® CB 8150.1	brown	9.5 ± 3	41	8.8
Dokumental® CB 8160.1	yellow	8.0 ± 3	40	8.8
Dokumental® CB 8161.1	orange	15.0 ± 3	35	8.5
Dokumental® CB 8170.1	pink	10.0 ± 3	36	8.8
Dokumental® CB 8171.1	pink	8.0 ± 3	36	8.8
Dokumental® CB 8180.1	white	11.0 ± 3	38	8.8

### Technical Advice

Suitable Components:

Do not use polystyrene, ABS or polyamide

Nibs: polyester, high porosity: AUBEX MO 454

Reservoirs : polyester; fibre density between 0.12 - 0.16 g/cm<sup>3</sup>

Barrels, Caps, Plugs: polypropylene, polyethylene

It is mandatory to approve the compatibility of the ink 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 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. The

### Suitable Surfaces

The inks are suitable for black, white and other neutral shades of paper but also for plastic, glass and metal.

### Applicable Standards & Regulations on Request

recommended storage temperature is between 10°C and 30°C. Storage temperatures of above 30°C for several days bear the risk of a reduced shelf life of the ink.

After usage the drums have to be closed again tightly. The ink has a shelf life of 2 years in original sealed containers.

Stir well before use and stir ink during ink injection in order to avoid pigment sedimentation during filling process.

Cleaning: cleaning of all filling devices should be done immediately after finishing the process. Cleaning should be performed with a solution (water/ammonia) at high pH.

### Packaging

standard packaging: 25kg plastic canister (further packaging units on request).

### Produced by

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