

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	blue	10.0 ± 3	41	8.8
Dokumental® CB 8110	black	5.0 ± 2	40	8.3
Dokumental® CB 8120	red	9.0 ± 3	40	8.8
Dokumental® CB 8130	green	9.0 ± 3	40	8.8
Dokumental® CB 8131	teal	8.5 ± 3	40	8.8
Dokumental® CB 8140	violet	14.0 ± 3	37	8.8
Dokumental® CB 8160	yellow	8.0 ± 3	40	8.8
Dokumental® CB 8161	orange	15.0 ± 3	35	8.5
Dokumental® CB 8170	pink	10.0 ± 3	36	8.8
Dokumental® CB 8171	pink	8.0 ± 3	36	8.8
Dokumental® CB 8180	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/cm³

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.

Storage, Handling & Transportation

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

Store our product frost protected and avoid direct sunlight. The 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.

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

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

DOKUMENTAL GmbH & Co KG

Wöllnerstraße 26

D-67065 Ludwigshafen

Phone: +49(0)621/37702-321

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

Mail: info@dokumental.de

www.dokumental.de