

## Pigmented Whiteboard Inks

### General Information

The Dokumental® WB 72xx inks are pigmented Whiteboard Inks with brilliant colours. They are easy to wipe off without residue, even after a short drying period and they have a low odour. The cap-off time of these inks is up to two hours under ISO 554 (23°/50%) conditions.

### Suitable Surfaces

For most non absorbing smooth surfaces like enamel, coated metals, plastic laminated cardboard, melamine coated surfaces, etc.

### Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 1.0	Density at 20°C g/cm <sup>3</sup> ± 0.02
Dokumental® WB 7206.1	black	9.0	0.85
Dokumental® WB 7207	blue	8.0	0.85
Dokumental® WB 7211	red	8.0	0.86
Dokumental® WB 7218	violet	8.0	0.85
Dokumental® WB 7223	black	9.3	0.86
Dokumental® WB 7231	orange	6.5	0.85
Dokumental® WB 7234	red	8.0	0.85
Dokumental® WB 7238	violet blue	8.0	0.85
Dokumental® WB 7239	dark blue	8.0	0.84
Dokumental® WB 7240	red	9.0	0.85

### Technical Advice:

The chosen marker components should be tested thoroughly. More detailed information available on request.

### Suitable Components

Nibs: polyester and acrylic, high porosity  
 Barrels: polypropylene, aluminium  
 Caps and Plugs: polypropylene, polyethylene  
 Reservoir: polyester

Dokumental has tested the performance, long term stability and shelf life of the inks in the laboratory under typical terms of use in a limited number of writing systems. As there is a large variety of writing system components available on the market, Dokumental can NOT give a general guarantee for the inks in all writing systems. Therefore, it is mandatory to approve the compatibility of the inks and the components as well as the writing performance, long term stability and the shelf life of the inks in the customer's components.

### Important and decisive parameters are:

#### 1. Climatic conditions

Especially exposure to high temperatures may accelerate the aging of the ink in original ink drums as well as in the writing system. This may lead to reduced shelf life of the products. Therefore, long term stability and shelf life of the writing system must be tested thoroughly under those climatic conditions, which are expected during the storage time and the practical use of the writing system.

2. All materials, which get into contact (short term or long term) with the inks during processing and manufacturing of the writing instruments, like hoses, pipes, pumps, funnels, storage tanks, cleaning liquids etc. All such contact materials may not release any contaminations to the inks. Contamination of the inks may lead to undesirable effects like performance loss and/or reduced shelf life.

3. All materials, which get into contact (short term and long term) with the inks in the writing system like nibs, filters, barrels, etc. Aging tests must be carried out to prove long term compatibility of all components and materials.

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### 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 marker 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. The recommended storage temperature for best shelf life of the produced writing instruments is 10 to 25 °C.

The shelf life of the inks in original sealed containers is 18 months.

It is recommended to agitate pigmented inks before usage to ensure optimal homogeneity of the ink.

After usage the drums have to be closed again tightly.

Horizontal storage of the markers is recommended in order to get the maximum shelf life.

**CAUTION:** the inks are classified as flammable liquids! For detailed safety information refer to the respective Material Safety Data Sheets.

### Applicable Standards & Regulations

Unless expressly agreed, no warranty is given that all standards & regulations relevant to the Customer's intended use have been and will be complied with. To the extent that compliance with certain standards & regulations is warranted, this warranty shall only apply at the time the underlying contract is entered into. There is no guarantee that the products will continue to comply with the standards & regulations in the event of future changes. Dokumental also assumes no obligation to inform the Customer of any changes to such standards & regulations that may be relevant to the Customer.

### Packaging

20kg plastic drum

160 kg plastic drum

### Produced by

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