

## Water-Based Permanent Marker Inks

### General Information

The inks of Aquaperm® AP 95xx series are water-based and therefore have an easy handling as they are not classified as dangerous goods. They are easily usable with suitable reservoir markers and have a very high light-fastness and resistance against fading.

### Suitable Surfaces

All inks are suitable for smooth surfaces, cardboards and all kinds of paper.

### Applicable Standards & Regulations on Request

### Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 0.5	Surface tension mN/m ± 2.0	pH-Value	Density g/cm <sup>3</sup> ± 0.02
Aquaperm® AP 9501	black	7.7	30.0	≥ 9.0	1.04
Aquaperm® AP 9502	blue	5.3	30.0	≥ 9.0	1.03
Aquaperm® AP 9503	red	6.3	30.0	≥ 9.0	1.04
Aquaperm® AP 9504	green	6.4	31.0	≥ 9.0	1.03
Aquaperm® AP 9505	yellow	5.0	32.0	≥ 9.0	1.05
Aquaperm® AP 9506	orange	7.2	31.0	≥ 9.0	1.04
Aquaperm® AP 9507	scarlet	7.0	30.0	≥ 9.0	1.03
Aquaperm® AP 9509	light blue	6.0	30.0	≥ 9.0	1.04
Aquaperm® AP 9510	violet	4.1	33.0	≥ 9.0	1.03

### Technical Advice

#### Suitable Components

Do not use polystyrene, ABS or polyamide

Nibs: polyester, acrylic, high porosity

Reservoirs: polyester

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 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 shelf life of the ink in original sealed containers is one year.

Stir well before use and stir ink during ink injection in order to avoid pigment sedimentation during filling process. Markers should be stored horizontally.

### Packaging

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

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