

Technical Data Sheet

Aquaperm® AP 968x Permanent Marker Ink

Water Based White Permanent Marker Ink

General Information

Aquaperm® AP 9680 is the world's first white ink that combines the high covering strength of a valve action marker ink and the easy handling of a reservoir marker. It has a good adhesion on many surfaces and excellent light-fastness properties. Aquaperm® AP 9681 is an adjusted version with lower viscosity.

Suitable Surfaces

For all kind of smooth and porous surfaces.

Applicable Standards & Regulations on Request

Physical Data

Type	Colour	Viscosity at 20°C mPa s	Density at 20°C g/cm ³ ± 0.2	pH-Value
Aquaperm® AP 9680	white	30.0 – 60.0	1.50	7.5 – 9.0
Aquaperm® AP 9681	white	16.0 - 20.0	1.50	7.5 - 9.0

Technical Advice

Suitable Components

Based on our tests we recommend following components:

Nibs: AuBex MO454

Reservoirs: Essentra

a) XPE 438156 (fibre density: 0.10 g/cm³) for maximum ink lay down, and acceptable sedimentation.

b) XPE 438349 (fibre density: 0.15 g/cm³) for minimal sedimentation and an acceptable ink lay down.

Barrels, Caps, Plugs: polypropylene

If used in valve action markers, a corrosion safe ball (SS or glass) inside the barrel grants a good distribution of the pigments by shaking the marker before use.

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 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 drums should be closed tightly during storage. 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: 25kg hobbock (plastic drum with removable top) (further packaging units on request).

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