

Technical Data Sheet

Aquaperm® AP 85xx Permanent Marker Inks

Water-Based Permanent Marker Inks In Metallic Colours

General Information

The inks of Aquaperm® AP 85xx series are available in a variety of metallic colours, giving nice and shiny effects on most surfaces. Due to their excellent opacity they can also be used on dark paper. They also show good adhesion and light- and water-fastness properties.

Suitable Surfaces

All inks are suitable for white and dark papers and many smooth surfaces.

Applicable Standards & Regulations on Request

Physical Data

Type	Colour	Viscosity at 20°C mPa s	Surface tension mN/m ± 2.0	pH-Value	Density at 20°C g/cm ³ ± 0.02
Aquaperm® AP 8505.2 WNP	blue	8.5 ± 1.0	38.0	7.6 - 9.6	1.08
Aquaperm® AP 8510.2 NP	black	10.2 ± 1.0	37.6	7.4 - 9.4	1.09
Aquaperm® AP 8525.2 NP	red	8.0 ± 1.0	37.5	7.5 - 9.5	1.06
Aquaperm® AP 8535.2 WNP	green	8.0 ± 1.0	37.1	7.4 - 9.4	1.09
Aquaperm® AP 8536.2 WNP	light green	8.7 ± 1.0	38.0	7.5 - 9.5	1.08
Aquaperm® AP 8547.2 WNP	pink	9.0 ± 1.0	38.0	7.0 - 9.0	1.07
Aquaperm® AP 8548.2 WNP	violet	9.0 ± 1.0	41.0	7.5 - 9.5	1.06
Aquaperm® AP 8580.2 NP	silver	7.5 ± 1.0	37.0	7.2 - 9.2	1.07
Aquaperm® GAP 1/34 A	red gold	8.5 - 10.0	40.0	7.0 - 9.0	1.08
Aquaperm® AP 8595.2 WNP	gold	8.5 ± 1.0	38.0	7.5 - 9.5	1.07
Aquaperm® GAP 1/35 C	copper	7.8 ± 1.0	40.8	6.9 - 8.9	1.07

Technical Advice

Suitable Components:

Do not use polystyrene, ABS or polyamide

Nibs: polyester, high porosity:

Reservoirs: polyester (fibre density between 0.16 to 0.20 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.

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.

After usage the drums have to be closed again tightly.

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

The shelf life of the ink in original sealed containers is six months.

Packaging

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

Produced by

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