

Water Based Chalk Marker Inks For Outdoor Applications

General Information

The pigmented inks of Dokumental® PKR 1xx series have brilliant colours with high covering power. They are comparable with Dokumental® KR 97xx series, but they are rain drop proof and therefore especially suitable for out-door applications. The adhesion on the surface is improved compared to our Dokumental® KR 97xx series.

For valve action markers only!

Suitable Surfaces

For all kind of smooth surfaces (glass, PP+PE-foils, metal, blackboards). The inks can be removed with a wet cloth or water

Applicable Standards & Regulations on request

Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 2.0	Surface tension mN/m ± 2.0	Density at 20°C g/cm ³ ± 0.02	pH-Value ± 1.0
Dokumental® PKR 144.1	light blue	20.0	29.0	1.22	8.2
Dokumental® PKR 147	black	17.9	38.6	1.15	8.0
Dokumental® PKR 153	blue	16.6	31.0	1.25	8.2
Dokumental® PKR 160	green	17.0	31.3	1.21	8.4
Dokumental® PKR 167	brown	20.0	32.6	1.19	8.3
Dokumental® PKR 179.1	red	18.1	32.5	1.20	8.4

Technical advice

Suitable Components

It is recommended to have a corrosion safe ball, or cylinder (SS or glass) in the ink tank to obtain a good distribution of the pigments by shaking the marker before use.

Nibs: polyester, acrylic with high porosity

Barrels: polypropylene

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 shelf life of the ink in original sealed containers and under optimal storage conditions is 1 year, for metallic inks 6 months. Stir well before use and stir ink during ink injection in order to avoid pigment sedimentation during filling process.

Packaging

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

Produced by

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