

## 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 <sup>3</sup> ± 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.

### 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 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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