

Technical Data Sheet

Dokumental® RB 15xx Rollerball Inks

Water-Based Rollerball Inks for Fibre Reservoir System

General Information

The inks of Dokumental® RB 15xx series are suitable for the classical fibre-reservoir system. Some selected inks are also compatible with the free-ink (tank) system depending on their surface tension.

Depending on the tip and ball materials adjusted inks have to be selected.

Suitable Surfaces

All kind of papers

Applicable Standards & Regulations on Request

Physical Data

| Type | Colour | ISO 14145 | | Viscosity at 20°C mPa s ± 0.5 | Surface tension mN/m ± 2.0 | Density at 20°C g/cm ³ ± 0.02 | pH-Value |
|-----------------------|-------------|-----------|--------|-------------------------------------|----------------------------------|--|------------|
| | | Part 1 | Part 2 | | | | |
| Dokumental® RB 1500 C | violet blue | yes | no | 3.1 | 32.7 | 1.06 | 7.7 ± 0.2 |
| Dokumental® RB 1501 | blue | yes | no | 2.5 | 43.5 | 1.05 | 10.8 ± 1.0 |
| Dokumental® RB 1501 G | blue | yes | no | 2.5 | 39.5 | 1.05 | 10.0 ± 1.0 |
| Dokumental® RB 1510 C | black | yes | yes | 3.2 | 34.2 | 1.06 | 8.6 ± 1.0 |
| Dokumental® RB 1510 E | black | yes | yes | 3.0 | 32.8 | 1.06 | 8.5 ± 1.0 |
| Dokumental® RB 1511 | black | yes | yes | 2.8 | 42.9 | 1.06 | 7.7 ± 1.0 |
| Dokumental® RB 1511 G | black | yes | yes | 3.0 | 39.5 | 1.06 | 7.8 ± 1.0 |
| Dokumental® RB 1511 H | black | yes | yes | 3.1 | 41.5 | 1.06 | 7.8 ± 1.0 |
| Dokumental® RB 1520 C | red | yes | no | 3.7 | 34.3 | 1.08 | 9.3 ± 1.0 |
| Dokumental® RB 1521 | red | yes | no | 2.8 | 43.0 | 1.05 | 9.8 ± 1.0 |
| Dokumental® RB 1521 G | red | yes | no | 3.2 | 39.5 | 1.05 | 8.6 ± 1.0 |
| Dokumental® RB 1522 | red | yes | no | 5.5 | 30.7 | 1.08 | 9.8 ± 1.0 |
| Dokumental® RB 1531 G | green | yes | no | 2.3 | 39.5 | 1.04 | 8.8 ± 1.0 |

Technical Advice

Suitable Components

Tips: nickel silver, stainless steel
or needle point nibs with TC balls

Depending on the nib and ball materials adjusted inks are available. Compatibility tests have to be done in any case in advance

Reservoirs: polyester, polypropylene
Barrels, Plugs, Caps: polypropylene, ABS, polystyrene,
butadien-styrene, 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

The filling station has to be maintained and cleaned carefully. The inks are sensitive to any kind of contamination. Contamination of the inks may cause colour mismatch or will even lead to a defective refill.

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 inks in original sealed containers is 2 years.

Packaging

20 kg plastic canister
200 kg plastic drum
1,000 kg IBC

Produced by

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