

AQUABRITE

TECHNICAL DATA SHEET

Aquabrite ink is a high opacity product with excellent Lustre developed for printing on coated and uncoated paper and cardboard, e.g. envelopes, gift wrapping paper, baker bags, corrugated board and label stock

Aquabrite ink system is suitable for machines utilising doctor blade or rubber roll squeeze systems. As metallic pigments contained in the ink have a high specific gravity and can settle at the bottom of the container, the ink must be well stirred before printing. Depending on the type and set up of the machine, the print viscosity should be between 20 and 40 seconds (DIN 4 mm cup). The viscosity can be lowered by adding water. Should the intensity of the ink need to be further reduced, after setting the correct viscosity, any further dilution should be carried out with metallic varnish. Due to the high mechanical stress during the printing process, the colour can lose brilliance. There should be as little ink as possible in circulation and fresh ink should be added more often. Used printing ink should be stored separately and not be poured back into the original packaging because a change in brilliance, viscosity and colour shade could occur.

Metallic inks have a limited storage life of 6 months therefore the stock should be kept as low as possible.

| Features | Applications |
|---|-----------------|
| Excellent Printability | Coated Papers |
| High gloss and good drying properties | Uncoated Papers |
| Good Opacity | Smooth Papers |
| Easy to Clean | |
| Good Stability in the machine (press stability) | |
| Good storage stability | |
| Phthalate free | |

To improve rub resistance UV or water based over print varnishes can be used.

Recommended Dilution

To achieve the desired print viscosity and/or drying speed we recommend the following dilution:

Thinner: Water

To achieve the desired print viscosity add a maximum of 10% water.
Any further dilution must be carried out with varnish to ensure the correct properties of the printing ink

Retarder: HRL

Quantity: 3% - 5%

For slower drying
Too much may induce colour smearing, colour transfer and contamination on machine parts.

Comments

The product remains stable for 6 months when unopened, in original packaging and stored under normal suitable conditions. It is recommended that the product be kept away from frost. Stir well before use

Note: The foregoing is a technical specification and does not constitute a warranty express or implied. It is recommended that testing should be carried out prior to use.