



Technical Information

Hydra Paper Inks

- **Description**

HFL is pleased to offer specially designed Eco-Friendly **Water Borne Printing Inks** for Flexographic and Rotogravure printing on Poster Paper, Chrome Art Paper, Kraft Paper & Craft paper. In addition to standard colors, we are in position to offer customized inks to suit specific applications as well.

- **Key Product Features**

1. High solids, Low viscosity, ensuring better coverage, excellent gloss
2. Optimized drying characteristics to ensure no sinking of the ink into paper.
(Note: We always recommend Gravure cylinder with reduced cell volume. Also we suggest additional drying system to ensure 100 % through drying.)
3. No odor, Non-toxic, FDA Compliant
4. Ease of dilution with water borne reducers.
5. Good re-solubility on the press to ensure no chocking of the gravure cylinder.
6. Range including special colors, as per customer requirements
7. Excellent printability and sharp images.
8. Extremely stable and excellent re-usability
9. Excellent half tone reproduction

These inks give very strong print results (with high mileage) and at the same time lay very evenly on the paper to give very clear and soft to eye print effect. The formulations are based on selected raw materials to give best possible opacity to the ink, as higher opacity is necessary to hide paper. Certain colours, developed with high opacity in mind may contain chrome pigments, where as other may contain certain fugitive dyes to impart very high strength and brightness to the print.

- **Print Process**

Rotogravure and Flexographic

- **Print Substrate**

Poster Paper, Chrome Art Paper, Kraft Paper & Craft paper

- **Reducing Systems**

HFL-Reducer

- **Shelf Life**

The inks and varnishes of this series have under normal conditions a shelf life of at least 6 months

Normal Conditions means:

- ✓ Store in tightly closed containers.

- ✓ No admixtures
- ✓ Temperature not exceeding 25⁰C for weeks or 30⁰C for days

Short time excessive-temperatures e.g. at transport are not harmful. The products are not sensitive to frost.

“Over-stored” inks (typical symptoms: fall in gloss, shift in shade, formation of odour and / or viscosity increase) may normally – off color being exceptions - be used the same way as residual inks by controlled admixture to fresh inks.

Increased viscosity due to long-time storage of inks may generally be adjusted by addition of a slightly higher amount of thinner than the usual.

- **Please take note of the following:**

1. The performance results indicated in this literature are only indicative under controlled conditions of laboratory with virgin & standard packaging grade paper substrate. HFL, will not take any responsibility for abnormal results
2. Liability: While the information outlined is given in good faith, it does not constitute a guarantee and neither is one implied as to the specific end use suitability of any product. The customers should always evaluate the suitability of products to their own satisfaction
3. HFL is responsible only to the tune of replacing the ink consumed in case of any printing related problems clearly assigned to in-compatibility

- **Remark**

Kindly inform our technical team for ARSR properties.

- **Health and Safety**

Read the health and safety guidelines before using these products. The user is responsible for all local legislation requirement and packaging conditions

- **Ink Handling**

Please refer to general guideline for handling inks for flexible packaging

For further information, please contact-

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