

TECHNICAL DATA SHEET

1. DESCRIPTION

Euroaqua Is a water based flexo ink suitable for printing on the flexible packaging and paper

2. PRODUCT FEATURES

Euroaqua inks have:

- Good adhesion to the substrates
- Excellent drying speed
- High color strength
- Good gloss
- Good press stability
- Good printability
- Suitability with all photopolymer plates
- Excellent dry and wet resistance of prints

Resistance:

These inks are thermoplastic, prints obtained with this ink range have low heat resistance.

3. APPLICATIONS

Surface flexo printing on flexible films and paper.

4. SUBSTRATES

Euroaqua inks are suitable for the following substrates:

- Polyethylene Low High density Corona treated > 38 dyne/cm
- Alu foil prelacquered
- Paper

5. GENERAL HANDLING

5.1. Storage

- Temperature of storage : from 5°C to 30°C
- Shelf life: 12 months under above conditions

5.2. Waste disposal

- Care should be exercised in the disposal of printing ink waste. This should be carried about in accordance with good industrial practice, observing all the appropriate regulations and guidelines.

For more specific handling advice refer to the Safety Data Sheet (MSDS).

6. PRINTING CONDITIONS

6.1. Printing viscosities

Inks must thoroughly be stirred and homogeneous before reducing with water. The optimum printing viscosity depends on press and running conditions. Good results have been achieved at the following viscosities:

- 16-25 sec (Din cup N°4)

To slow the drying speed small amounts (2-4%) of a water suitable retarder can be used.

6.2. Additives

Antifoam

In the normal printing conditions there is no need of an extra amount of antifoam, in some cases, for very long runs, can be necessary to add low amount of antifoam (0,5- 1%) for a better foaming control at the ink pot. We suggest to predilute with water (1:1) the antifoam before adding

6.3. Wash up solvents

Due to the properties of the binder of this ink series, it is advisable not to let the printing cylinders be stopped for a long while as the system dries rapidly and is hardly reversible. On pauses or in case of forced stops, empty the ink pot and wash promptly the anilox with a detergent solution.

We suggest our detergent solution code W000011N00 to be used in a diluted form (70 water – 30 detergent) for a deep washing and (100 water – 10 detergent) for cleaning daily maintenance operations and for plates

7. END-USE SAFETY

Acceptable technical performance of inks is dependent on:

- Control of film weight (inks and adhesives)
- Adequate drying on press (to ensure that the print is dry before conversion)

Choice and control of film weight, drying, substrate and adhesives are printer technical requirements for which the Euroink Distribution technical team can provide assistance in the form of suggestions or direct support.

Food Packaging: It is the ultimate responsibility of the food packaging supply chain to ensure packaged food is safe.

With regard to potential migration of substances in to food from the printed packaging, it is the responsibility of the converter and food packager to ensure that no such migration occurs beyond permitted regulatory levels.

To fulfill its responsibility within the supply chain Euroink Distribution will provide details to the customer of potential migratable components, where present in its inks, through the preparation and communication of a 'Statement of Composition'.

8. DISCLAIMERS

The ink is not intended to direct food contact.

The list of applications, substrates and processes provided in this document is not exhaustive. Please contact your local Euroink Distribution representative for full technical evaluation of your application or process.

9. TECHNICAL ASSISTANCE / CONTACTS

For further information, please contact your local Euroink Distribution team.

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Our Products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Euroink Distribution be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.
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