

TECHNICAL DATA SHEET

1. DESCRIPTION

Euroaqua Mail Water based ink for inside and outside printing of paper envelopes and exercise –books ruling.

2. CHARACTERISTICS

Euroaqua Mail inks have:

- High dilutability with water and ethanol-water blends
- Excellent drying speed
- High color strength
- Good press stability
- Good printability

3. APPLICATIONS

Surface and inside flexo printing of paper envelopes and exercise-books ruling.

The curling defect of paper is controlled using ethanol – water blends (ratio 80:20) as thinner.

The ink can be diluted with pure water at 20-30% for printing the outside part of envelopes.

4. SUBSTRATES

Euroaqua Mail inks are suitable for the following substrates:

- Kraft paper

5. GENERAL HANDLING

5.1. Storage

- Temperature of storage: from 5°C to 35°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 out 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:

- 20-25 sec (Zhan cup N°4) for surface printing



High dilutions with ethanol-water blends 80/20 till 1:10 to get the light shades of internal prints of envelopes.

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

Water solutions of ethanol and detergents.

6.4. Cylinders / Plates

Euroaqua Mail inks are suitable for all types of anilox and different types of plates.

7. END-USE SAFETY

Acceptable technical performance of Euroaqua Mai inks is dependent on:

- Control of film weight
- Adequate drying on press (to ensure that the print is dried before conversion)

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 fulfil 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 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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