

Technical Data Sheet

1. Description

Euroaqua SP is a water based flexo ink suitable for printing on to flexible packaging (PP,PET,PE) and paper. It is formulated in order to achieve a good adhesion on all substrate and to have a good water resistance.

2. Product features

- Good adhesion to the substrates
- Excellent drying speed
- High color strength
- Good gloss
- Good press stability
- Good printability
- Good re-solubility
- Suitability with all photopolymer plates

3. Product suitability

Applications

Surface flexo printing on flexible films and paper

Substrates

Euroaqua SP inks are suitable for the following substrates:

Paper
PET
PP cast
LPDE >38dyne/cm²

4. General handling

Storage

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

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)

5. Printing condition

Printing viscosity

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.

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

pH Buffering

On long printing runs with low ink consumption it is advisable to check the pH by addition of few drops of pH Buffering: an addition of 0,1 – 0,5 % of pH Buffering allows to raise the pH back to the right value of 8,5-8,8.

Using exceeding quantities of pH buffering reduces the water resistance of the printed ink film.

Wash up

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 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

6. End use safety

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'

7. 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.

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