

## TECHNICAL DATA SHEET

### 1. DESCRIPTION

#### Aquablu

inks are water-based inks formulated for flexographic printing of compostable flexible films.

Suitable for compostability according to EN 13432 (09-2000).

### 2. PRODUCT FEATURES

**Aquablu** inks have:

- Good adhesion to supports.
- Good drying.
- Good printability.
- Excellent water and rub resistance.

#### Resistenza:

| Adesion | Water resistance | Rub resistance |
|---------|------------------|----------------|
| ++      | +++              | +++            |

### 3. APPLICATIONS

The series was created for the flexographic printing of biodegradable compostable films.

### 4. SUBSTRATES

The series is used for printing the following media:

Biodegradable polyethylene (corona treatment recommended)

### 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**

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

## **6. PRINTING CONDITIONS**

### **6.1. Printing viscosities**

Before using, mix the product well and add the necessary water to obtain the right printing viscosity.

The print viscosity depends on the speed conditions of the machine, therefore it is advisable to dilute the ink to 5-10% with water to obtain the following range of values: 16-25 sec (DIN cup N ° 4).

To reduce the drying speed of the inks, small amounts of retarder (2-4%) can be used. It is essential to provide a good drying, the inks express all their properties only if perfectly dried.

### **6.2. Additives**

Defoamers

Under normal printing conditions, Aquablu inks do not show abnormal foam formation, but it is possible that long-run prints with low ink consumption may present the problem.

The product must first be diluted with water in a ratio 1/1 then added to the ink, the recommended dosages are 0.5 - 1%.

### **6.3. Solvents**

It is therefore recommended to dilute the ink with water.

## **7. Wash up solvents**

As regards the cleaning of the machine and, in particular, the washing of the inked inking cylinder, it is recommended that the relative operation be carried out immediately after the printing step, in order to prevent the ink from drying in the screen.

The detergent solution is used with 1/10 dilution in water for the normal cleaning of the printing unit, for thorough washing it is recommended to recycle in the inking unit a mixture of 70 parts of water and 30 parts of solution.

In the case of persistent dirt, the washing solution can be sprayed directly on the part to be treated but after its use it is advisable to rinse thoroughly with water.



## **8. TECHNICAL ASSISTANCE / CONTACTS**

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

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