

## EcooGraphix Offset Sheetfed Printing Inks

### 1.Application

ECOO-INK-F offset printing ink is developed at the latest European technology system, it is made from polymeric, high-soluble resin, new paste pigment.

This product is suitable for printing packaging, advertisement, label, high-quality brochures and decorating products on art paper, coated paper, offset paper, cardboard, etc., especially suitable for medium and high-speed printing.

### 2.Characteristic

- 1) Environment friendly
- 2) Good water/ink balance
- 3) Rich in printing layer
- 4) Clear and complete in printing dots
- 5) Quick-drying performance, quick setting, quick turn

### 3.Specification

<b>Type</b>	ECOO-INK-F
<b>Printing speed</b>	8,000rph-10,000rph
<b>Packing</b>	1 kg/2.5 kg per tin, 12tins/ 6 tins per carton
<b>Shelf Life</b>	3 years (from the production date); product against light and water
<b>Appearance</b>	Colored paste
<b>Application</b>	ECOO-IN-F printing ink is suitable for printing packaging, advertisement, label, brochures and decorating products on art paper, coated paper, offset paper, cardboard, etc., especially suitable for single-color and multi-color printing.

ITEM/TYPE	TACK VALUE	FLUIDITY (mm)	PARTICLE SIZE (µm)	SETTING TIME (min)	DRYING TIME (hr)	SKINNING TIME (hr)
YELLOW	6-7	35±1	15	4	< 10	>15
MAGENTA	5.5-6.5	34±1	15	4	< 10	>15
CYAN	6.5-7.5	35±1	15	4	< 10	>15
F	7-8	35±1	15	4	< 10	>15

<b>BLACK</b>	
<b>Tack Value</b>	The value is measured in 1 minute by inkometer at 32°C and 400rpm.
<b>Set Time</b>	Printing adapter, 157g art paper, the volume of ink-coating can be up to 0.125cc
<b>Condition of test</b>	Room temperature 25°C, humidity 65%-75%

ITEM/TYPE	Light Resistance	Heat Resistance	Acid Resistance	Alkaline Resistance	Alcohol Resistance	Soap Resistance
F YELLOW	4	5	5	4	4	4
F MAGENTA	3	5	5	5	4	5
F CYAN	7	5	5	5	5	5
F BLACK	7	5	5	5	5	5
<b>Light Fastness</b>	1-8 (weak-strong)					
<b>Others</b>	1-5 (weak-strong)					



#### **4.Packing**

The normal package is in aluminum can per 1 kg or 2.5 kg, vacuumed to secure tightly sealing and safe transportation. 6 drums or 12 drums packed in a carton which has partition board to protect and fix each drum from collision. It is standard package with enough protective layers and reasonable design.



#### **5.Certifications**

EcooGraphix series Printing Inks have passed the China environmental label product certification (ten central certification), ISO9001 quality management system, ISO14001 environmental protection system certification, ROHS certification and REACH certification, American ASTM, CPSIA and other related safety testing and certification, and the SONY SGS certification.

#### **6.Tips before ink processing and after processing.**

Do not judge the color of ink by the looking into the package only. All inks appear in thick layer n the container darker and dirtier as in the print. You may mistake the black to the blue or red.

You may find bubbles in the ink which is nitrogen mixed in producing to exclude oxidative drying problems. Do not worry, the bubbles will disappear on the rolls of the inking unit and will not lead to printing problems.

During longer print interruptions the rolls have to be cleaned and ink in the ink duct has to been sprayed on with antioxidant.

Remove skin whenever you find in the opened container regardless how small the skin is. Inks which was mixed with printing aids should not filled backed to the original ink.

**7. Feedback from customer**

<b>Customer Name and location</b>	Afghanistan	
<b>Installed Products</b>	Ecoo-INK-F Offset Printing Ink	
<b>Success</b>	<p>OP is a well known printer specialized in high end commercial printing. Since 2019, they have trialed EcooGraphix Ecoo-Ink-F in small volume and they found fully satisfied by the quality of the ink. They have fully switched to Ecoo-INKF since 2019. They are very impressed by EcooGraphix professional sales and technical service.</p>	
<b>Service Plan</b>	Installation and support conduct by team from EcooGraphix.	