

## EcooGraphix Negative DOP Processless Thermal CTP Plate

### 1.Application

EcooGraphix Ecoo-G is a new, environmentally friendly,Development On Press CTP plate . It can be run directly on a printing press after imaging,without a need for chemical processing.

### 2.Characteristic

ECOO-G is double layer, and the emulsion layer will not dissolve into water, so it will not integrate into fountain solution; while the protection layer is well water-soluble, and it will be easy dissolved into the fountain solution.

### 3.Specification

#### Plate Technical Specification

<b>Model</b>	<b>ECOO-G</b>
<b>Plate Type</b>	Non-ablation thermal-negative type
<b>Application</b>	High grade commercial and newspaper printing
<b>Substrate</b>	Electrolyte graining and Anodized AL substrate
<b>Thickness</b>	0.15mm / 0.30mm
<b>Spectrum scope</b>	800-850nm
<b>Platesetter</b>	Various dominant thermal platesetters in the market
<b>Low-energy imaging</b>	130~150mJ/m <sup>2</sup>
<b>The period of latent image stabilization</b>	≤7days
<b>Recommended screen method</b>	1~99 @200Lpi AM/20u FM and mixture
<b>The paper number of start-up</b>	<50 sheets
<b>Safety Light</b>	1 hour under fluorescent lamp, no direct irradiation with natural light, 4 hours under yellow light
<b>Processing</b>	Without processing,directly on press
<b>Run Length</b>	100,000 impressions,actual run length depends on printing conditions
<b>Baking</b>	No recommended

### Characteristics

Negative non-ablation photosensitive system

Compatible with the dominant devices in the market

Can be printed directly on the machine without any processing steps after scanning by thermal CTP platesetter

Good dot reproduction,stable performance,wide processing latitude

Long stability of latent image,can be stored at least a week after plate-making

High quality aluminum substrate,professional coating formulation

### Application

Suitable for sheet-fed offset press or high speed rotary offset press

Run length:100,000 impressions

Suitable for different types of traditional inks and fountain solutions,including alcohol's substitutes as fountain solutions

Unsuitable to improve run length by baking plates

### Transportation and Storage

Packed in seal and stored by means of preventing from light/moisture,over heat and high humidity.

Recommended conditions:18°C~24°C,40%~50% RH.



## 2. Technical features

<b>Plate</b> <b>Features</b>	<b>ECOO-G</b>	<b>Kodak Sonora XP</b>
<b>Sensitive wavelength (nm)</b>	800-850	800-850
<b>Coating color</b>	Light green	Light green
<b>Sensitivity (mj/cm<sup>2</sup>)</b>	150	150
<b>Exposure in safe light</b>	White light 1 hour; yellow light 24 hours	White light 1 hour; yellow light 24 hours
<b>After image contrast</b>	Can be spotted by eyes, but auto punching machine cannot recognize it	Can be spotted by eyes, auto punching machine can recognize it
<b>Imaging device</b>	Normal thermal CTP device	Normal thermal CTP device
<b>Resolution</b>	1-99% @ 200lpi (dependent on CTP capability)	1-99% @ 200lpi (dependent on CTP capability)
<b>Run-length</b>	100,000	100,000
<b>Storage</b>	12 month (under recommend environment)	12 month (under recommend environment)

**Applied parameters in Imaging device**

CTP model Data	Kodak trendsetters	LOTTEM 400(TH1.7)	MAGNUS 400	Screen 8600S
Laser power	15-17W	300-320mw	19.5-21.5W	80-90 %
Drum speed	250-300rpm	850-900rpm	400-450rpm	800-900rpm
Resolution	Customized	Customized	Customized	Customized
Parameter that need set up	Focus / Zoom	Focus / Zoom	Focus / Zoom	Focus / Zoom

ECOO-G has a wide range of exposure energy, the range is 140-200mj/cm<sup>2</sup> (similar range to Sonora XP plate), and the dot gain percentage is not much different within this range.

\*Note: Higher exposure energy will make the image contrast more clear, and benefit to the plate run length; while over high/low exposure energy will affect the image quality negatively.

**Recommended application to press procedures of ECOO-G:**

Clean all the inks on the blanket;

Start the press machine, apply the water roller, run 30-40 seconds;

Apply the ink rollers 20-30 seconds;


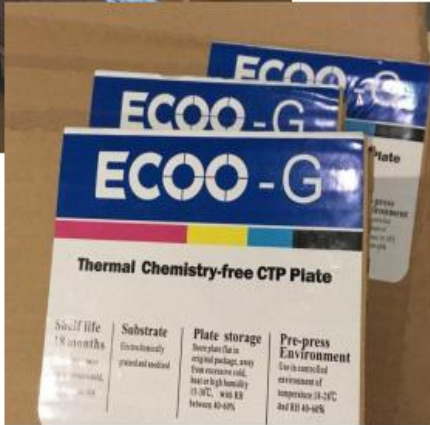
Apply the paper and start print.

Remark: If operate step 2 and 3 longer, paper will be wasted less.

## 5. Plate Producing and Packing

From producing to delivery,we make every details very carefully to guarantee the good product quality and service to customers .



<b>Customer Name and location</b>	Chile	
<b>Installed equipments</b>	is one of the largest printers in Chile and very well known	
	Ecoo-G processless plate	
<b>Success</b>	"We used to use Kodak Sonora and Fuji Pro-T processless plate on our Kodak CTP machines. Since 2018, we have tested Ecoo-G processless plate and everything works perfectly. We use around 3500 plate Ecoo-G per month currently and we have been using Ecoo-G since end of 2018." Juan, General Director,	
<b>Service Plan</b>	Installation and support conductd by local Ecoographix tech team in Chile.	

## 6. FAQ

### Q1: Can I get the sample?

A: We are very glad to provide some sample for you to test. We usually provide 5-15pieces plates for free,but sincerely hope to get your kind support for the air courier freight. **This cost can be returned** to you in your first order.

### Q2: What is the cost for the CTP plate sample freight?

A: The Air freight depends on the packing size and weight, and the delivery destination. Or you can arrange the Pick-up service from your local agent.

### Q3: How long can the sample be ready?

A: It usually takes about 3days to prepare the sample.

### Q4: Can I visit your factory?

A: You are warmly welcomed to visit our factory! Our company is in Hangzhou city,which is about 1.5 hour by train from Shanghai.

### Q5: How many Square Meters CTP plates can feed one 20' container?

A: About 20000-25000SQM