



# Energy Elite Eco

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**Robust, no-bake thermal printing plates for run lengths of up to 600,000 for both sheetfed and webfed applications.**

# Energy Elite Eco



Energy Elite Eco offers you an unprecedented run length of up to 600,000 prints (and up to 150,000 copies using UV ink), ensuring maximum productivity for a variety of different applications and press conditions. Even in harsh environments, this robust printing plate does not compromise when it comes to premium, photorealistic imaging quality. Combining high performance with the Agfa Graphics' ECO<sup>3</sup> framework, the Energy Elite Eco plate sets new standards when it comes to productivity, sustainability, economy and convenience. It is compatible with all standard processing equipment, yet performs optimally in combination with the advanced Arkana smart plate processor.

## Agfa's advanced coating technology

Thanks to Agfa Graphics' innovative dual-layer coating technology, Energy Elite Eco is a remarkably robust plate that eliminates the need for any pre- or post-baking for runs up to 600,000 copies. The plate provides high sensitivity to perform flawlessly, also in high-speed thermal platesetters.

The Energy Elite Eco technology enables wide press latitude in both sheet-fed, heatset and UV packaging printing, ensuring excellent lithographic performance, fast restarts, low dampening levels, and a stable ink-water balance. Also guaranteeing fast roll-up, Energy Elite Eco enables you to achieve results faster while producing less waste.



## Supreme, photorealistic imaging quality

The Energy Elite Eco thermal plate is daylight-safe. As it is especially designed to be compatible with the latest imaging standards and the highest imaging resolution on the market, the plate enables you to create durable, photorealistic images with 340 lpi Sublima and FM10 screening technologies. Energy Elite Eco offers you consistent quality printing at 1-99% dot resolution, without dot loss.

## Optimal ECO3 advantages with Arkana

Energy Elite Eco fits perfectly into the Agfa Graphics ECO<sup>3</sup> framework, as it is designed with a strong dedication to ecology, economy and extra convenience. Combined with standard thermal processors, the printing plate effects a 25% decrease in waste production and chemicals used. Its clean chemistry allows for a longer bath life and easier processor maintenance. Processors can simply be cleaned without harsh chemicals.

Combine Energy Elite Eco with the Arkana smart processing technology to benefit optimally from all of its ECO<sup>3</sup> features. Together with Arkana, the plate achieves an even more efficient use of chemicals, further limiting the production of waste and eliminating the use of rinse water.



Deploying Agfa Graphics' revolutionary patented cascade system, the Arkana smart plate processor saves printers both time and money, while making operations more ecological and convenient.



### ECO<sup>3</sup>

Agfa Graphics is committed to sustainable innovation that focuses on ecology, economy, and extra convenience—or ECO<sup>3</sup>. We aim at developing cleaner and cost-effective solutions that are easier to operate and maintain, both for chemistry-free and for conventional plate systems.



**Plate characteristics**

Plate type	Positive-working, digital thermal offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm (thermal laser diode)
Practical sensitivity	90 mJ/cm <sup>2</sup>
Platesetter compatibility	Compatible with 830 nm platesetters
Image contrast	Excellent, can be measured with all available densitometers and plate readers
Plate sizes	Length: 450-2080 mm Width: 480-1590 mm
Resolution	- ABS: 1-99% at 200 lpi at 2400 dpi - Sublima: 1-99% at 340 lpi at 2400 dpi - FM 10 μm
Gauges	0.15 mm, 0.20 mm, 0.24 mm, 0.30 mm and 0.40 mm (0.006", 0.008", 0.010", 0.012" and 0.015")
Run length	600,000 (UV inks: 150,000)

**Processing (Conventional positive thermal plate processor)**

Developer	THD300 developer THR300 replenisher
Rinse water	Standard
Gum	RC795, RC795A, Unifin Plus, Antura
Bath life	15,000 m <sup>2</sup>
Replenishment	40 mL/m <sup>2</sup> and 40 mL/hr

**Processing (Arkana smart processing unit)**

Developer	Arkana developer Arkana replenisher
Rinse water	Not applicable
Gum	Arkana gum
Bath life	15,000 m <sup>2</sup>
Replenishment	8 mL/m <sup>2</sup> and 10 mL/hr

**Environment**

Room lighting	Daylight
Room conditions (T, RH)	18-24 °C (64-75 °F), < 70% RH
Storage conditions	Below 32 °C (90 °F), <70% RH

**Agfa Graphics' optimized gums and pressroom chemicals**

Plate cleaner	ANTURA CtP Plate Cleaner
Wash-out gum	ANTURA CleanGum
Fountain solution	Energy Elite Eco is compatible with all fountain solutions from Agfa Graphics
Roller and blanket washes	Energy Elite Eco is compatible with all roller & blanket washes from Agfa Graphics

Not all plates are available in every region. Contact your local Agfa Graphics' representative for more information.

[www.agfagraphics.com](http://www.agfagraphics.com)

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