

:Energy Elite Pro

Next generation no-bake positive thermal plate

AGFA Graphics' newest thermal positive no bake plate.

:Energy Elite Pro was developed to provide consistent quality printing with high productivity, lower chemistry consumption, and higher run length with UV inks.

This robust plate is suitable for a wide range of commercial and packaging applications. It can achieve runs of up to 400,000 and in harsh environments (e.g. UV and metallic inks) up to 150,000 impressions without baking ⁽¹⁾. For even longer runs, :Energy Elite Pro can be baked.



Energy Elite Pro's chemical resistance makes the use of fountain solutions for alcohol-free and alcohol-reduced printing, as well as UV inks, easy, even without baking.

Compatible with all major thermal plate setters, the improved sensitivity of :Energy Elite Pro ensures maximum productivity, even on the newest high-speed platesetters.

The THD200 developer and THR200 replenisher, specifically designed for this next generation plate, ensures longer bath life and lower chemistry consumption. The low-maintenance processor rarely needs cleaning. When it does, standard tap water can be used, making the cleaning process extremely easy.

AGFA's no-bake technology

Agfa's innovative double-layer coating technology gives Energy Elite Pro its robust properties. The unique composition of the second layer ensures high chemical resistance. As a result, Energy Elite Pro performs flawlessly in high-speed platesetters and is compatible with UV and metallic inks, even without baking.

The plate's robust characteristics offer advantages on press as well. Energy Elite Pro ensures fast start-up, low dampening levels, stable ink/water balance and excellent lithographic performance on press, including fast re-start after press stops.

:Energy Elite Pro

Durable high-quality imaging

:Energy Elite Pro is office light-safe. This next-generation positive thermal plate provides durable, high-quality imaging. At 200 lpi, the innovative double-layer technology delivers 1-99% dot resolution. With FM or :Sublima high-screen ruling, Energy Elite Pro always delivers exceptional quality. The new double-coating formula ensures a sharp dot throughout the run.

Long run, no-bake thermal plate

:Energy Elite Pro performs consistently and dependably on press under a wide range of aggressive press conditions, without the need to post-bake.

With Energy Elite Pro, Agfa Graphics continues to bring environmental benefits to new technology. With the elimination of the pre-heat and post-bake requirements of the previous generation thermal plates, combined with a reduced chemistry consumption, :Energy Elite Pro significantly reduces costs and energy consumption.

Compared to :Energy Elite, new generation :Energy Elite Pro offers even more advantages:

- Speed increase of 20%, depending on plate setters
- Improved run length for UV inks
- Lower chemistry use (-20%)
- No dot loss

⁽¹⁾ Depending on press conditions, job content and ink/paper quality



Plate Specifications

Sensitivity	100mJ/cm ²
Resolution	1-99% at 200 lpi. FM and :Sublima 280 lpi capable. ⁽¹⁾ :Sublima 340 is under investigation.
Developer	THD200 Developer & THR200 Replenisher Replenishment rate 50-70ml/m ² for THD200 and 40-70 ml/hour for THR200
Substrate	High quality grained and anodised aluminium.
Run length	Unbaked Up to 400,000 and up to 150,000 (UV ink) ⁽²⁾ Baking will improve the runlength under specific circumstances.
Processors	Compatible with all major thermal plate processors

⁽¹⁾ depending on platesetter

⁽²⁾ depending on press conditions, job content and ink/water quality

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Plate Cleaner	:ANTURA CtP Plate Cleaner
Washout Gum	:ANTURA CleanGum
Machine Finisher	:RC795, :Unifin
Baking Gum	:RC510
Desensitizing Agent	:Plate Etch Plus
Fountain Solution	:Energy Elite Pro is compatible with all Agfa fountain solutions
Roller and blanket washes	:Energy Elite Pro is compatible with all Agfa roller and blanket washes

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates. Contact your local Agfa representative for more information.

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