

:Aiyinda 803

Agfa thermal CTP plate



Agfa is dedicated to providing the most advanced digital plate technology for the printing industry, and has introduced the newly developed :Aiyinda, a series of thermal CTP plate, for the Asian market. Together with the other CTP plates - the long run, no-bake :Energy Elite, chemistry-free :Azura TS, and development-free :Amigo TS, Agfa offers a complete range of thermal CTP plates, providing the best choice for printers by fulfilling different applications.

The biggest challenge which printing operators face is the printability of the CTP plates. The pressroom can be very demanding, in view of the wide variety of press chemicals used (plate cleaner, fountain solution, roller and blanket wash, alcohol...), the diversity in printing press conditions, and the combination of different inks and paper. It is crucial that a printing plate delivers consistent, stable and reliable press performance to the most demanding pressroom. In order to tackle such complicated pressroom environment, Agfa specially developed the :Aiyinda thermal plates. Combining outstanding chemical resistance and durability, :Aiyinda provides excellent press performance, high resolution and long run lengths even when low quality paper and a mix of press chemicals are used.

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:Aiyinda 803 is a long run length, high resolution no-bake plate designed for difficult pressroom conditions. There are two key factors affecting a plate's durability: mechanical wear and chemical corrosion. Many CTP plates perform very well under specific printing conditions. But then run length will drop significantly under demanding situations. :Aiyinda 803 plate uses the double layer coating technology. The top layer is the Thermal Sensitive Layer, the bottom layer is the Agfa patented Chemical Resistent Layer. The result is sharp and durable dots that endure even the longest print runs – even 1% dot will not be lost, while its superior ink taking ensures perfect reproduction of solid colour.

Due to its double layer coating technology, :Aiyinda 803 is compatible with UV and metallic inks without the need for post baking, can achieve more than 80,000 impressions, fully meet the requirement of the packaging market for the print quantity, low energy consumption and environmental friendly.

:Aiyinda 803 gives the best possible ink balance and press performance. Compare to most plates, you can save ink consumption, with excellent reprint capability.

:Aiyinda 803	
Plate type	Positive-working thermal CTP plate
Coating	Double layer coating
Plate colour	Dark blue
Gauges	0.24, 0.27 mm
Spectral sensitivity	830 nm
Infrared sensitivity	120mJ/cm ²
Resolution*	1-99%
	Supports Agfa's :Sublima 280 lpi
	Supports FM screening
Post-bake possible	Yes
Run length unbaked(normal ink)**	300,000
Run length unbaked(UV ink)**	80,000
Run length baked**	400,000
Developer	THD200
Replenisher	THR200
Finisher Gum	RC795/RC795A/Unifin
Storage Gum	RC573
Baking Gum	RC510
Shelf life	24months

*dependent on press conditions and Ctp machines

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:Aiyinda 701 and 803 are only available in certain regions.