

:Azura Vi

Violet Platemaking with a Shade of Green

:Azura Vi is Agfa Graphics' latest addition to the range of photopolymer offset plates. Like other violet offset plates, it is sensitised for visible lasers emitting at 405 nm, but, instead of requiring a chemical developer for processing, :Azura Vi is Agfa Graphics' first violet plate designed for chemistry-free operation.

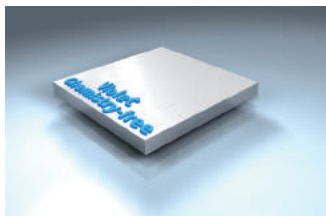
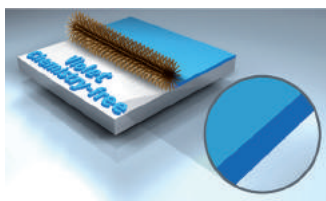
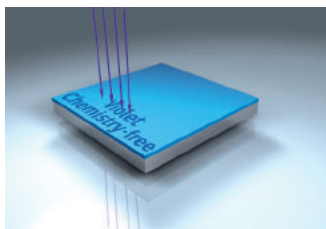
:Azura Vi testifies to Agfa Graphics' unremitting commitment to innovation and this plate's technology is designed to provide outstanding plate performance with low cost of operation.

Reduced Cost with Greater Image Consistency

Based on proven photopolymer technology, :Azura Vi combines outstanding lithographic quality with easy handling and excellent durability. However, because it is a chemistry-free plate there is no need for a developer, so eliminating one of the main variables affecting image consistency. Instead of using standard plate processors, printers can now use simple, less expensive clean-out units (COU). However, when preferred, it is also possible, with the installation of a simple modification kit, to re-use an existing Agfa Graphics plate processor as a COU. All these benefits are important to commercial printers looking to streamline, simplify and reduce costs. Chemistry-free operation increases the green credentials of any printer keen to minimise their environmental impact. Violet diode platesetters excel at low cost of ownership, extremely long life span and absolute reliability. :Azura Vi is yet more proof of the lasting success of violet CtP.

Imaging & Processing Principle

This new, chemistry-free plate works with all mainstream violet CtP units currently in use at commercial print sites across the world and emitting at least 30 mW. During exposure, the violet laser diode starts the polymerisation of the image area, which is completed in the preheat section of the COU. Subsequently the plate is gummed with industry standard plate gum, during which process the soft, unexposed non-image area is easily and cleanly removed.



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Plate Specifications

Plate type	Negative-working high-speed, chemistry free laser plate
Coating	Photopolymer
Gauges	0.15, 0.20, 0.30 mm
Surface	Electrochemically grained and anodised
Sizes	Commercial web & sheetfed
Spectral sensitivity	405 nm violet laser diode
Resolution*	3 - 97% at 200 lpi for :ABS 1 - 99% at 210 lpi for :Sublima
Processor	Clean Out Unit Agfa VCF 85 or modified Agfa processor
Chemistry	Only dedicated gum
Working conditions	Operating temperature 21-25 °C Relative humidity 40-60 %
Storage conditions	Shelf life 18 months if kept at <30°C and relative humidity 30 -60%. Do not expose to 50°C temperatures for more than 24 hours.
Run length**	Up to 150,000 Not suitable for UV inks

*Resolution dependent on platesetter

**Run length dependent on press conditions.

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.
Not all our plates are available in every region. Contact your local Agfa representative for more information.

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Gums	Machine and manual	Not applicable
	Baking gum	RC510
Plate Correction pen (for unbaked plates)	Polymer deletion pen	
Plate Cleaner	Standard	ANTURA CtP Plate Cleaner
	LOW Voc / NON-VOC	ANTURA Low VOC Plate Cleaner
	Cleaning gum	ANTURA CleanGum
Fountain Solutions	Sheetfed	RC661 Prima FS404 AS ANTURA fount AFS(H)1 ANTURA fount (H)200 Prima FS808 AF
	Heatset	Prima FS909 AF(H) web ANTURA fount (H)700
	Coldset	Not applicable
Roller and blanket washes	Xtrawash Plus 40 & 60 Hydrowash Roto	

High Performance on Press

Although a chemistry-free plate, press operators will readily accept it as it looks, feels and behaves as any other metal offset plate. Normal plate densitometers can be used to read the plate without problems. With its high-contrast - dark image on a standard aluminium substrate - a quick visual check will quickly reveal possible errors (imposition, etc.).

:Azura Vi combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.

Durable Substrate

:Azura Vi provides the solid foundation for consistent press performance. Advanced electrochemical graining and anodising yield the reliability and robustness needed on an offset press and the durability required to produce long press runs.