

:N92-VCF

Newspaper Printing with a Shade of Green

:N92-VCF is Agfa Graphics' latest addition to the range of photopolymer offset plates for the newspaper industry. Like other violet offset plates, it is sensitised for visible lasers emitting at 405 nm, but, instead of requiring a chemical developer for processing, :N92-VCF is Agfa Graphics' first violet plate designed for chemistry-free operation. :N92-VCF testifies to Agfa Graphics' unremitting commitment to the newspaper industry and this plate's innovative technology is designed to provide outstanding plate performance with low cost of operation.

Reduced Overhead with Greater Image Consistency

Based on proven photopolymer technology, :N92-VCF 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, meaning that one of the main variables affecting image consistency disappears. System cleaning time is reduced significantly and disposing of exhausted developer is no longer required. Instead of using standard plate processors, newspaper printers can now use 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 plate processor as a COU. All these benefits are important to newspaper printers looking to streamline, simplify and reduce costs. Chemistry-free operation increases the green credentials of any newspaper keen to minimise its environmental impact. Violet diode platesetters excel at low cost of ownership, extremely long life span and absolute reliability. :N92-VCF 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 newspaper 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 first 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.

:N92-VCF



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.).

:N92-VCF combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.

Durable Substrate

:N92-VCF provides the solid foundation for consistent press performance. Advanced electrochemical graining and anodising yield the reliability and robustness needed on a newspaper press and the durability required to produce long press runs.

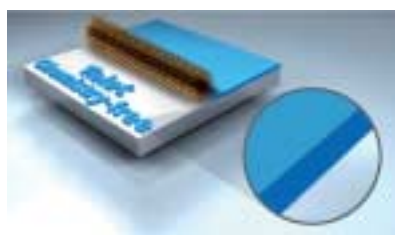
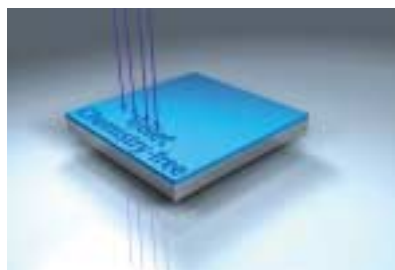


Plate Specifications :N92-VCF

| | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Plate type | Negative-working high-speed, chemistry free laser plate |
| Coating | Photopolymer |
| Gauges | 0.15, 0.20, 0.30 mm |
| Surface | Electrochemically grained and anodized |
| Sizes | Newspaper web |
| Spectral sensitivity | 405 nm violet laser diode |
| Resolution* | 2 -98 % at 110 lpi for ABS 1- 99 % at 180 lpi for Sublima |
| Clean Out Unit | Agfa VCF85 or modified processors Agfa VPP & VXP & VSP & VSL |
| Chemistry | Not required, only Violet CF 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 suited for UV inks |

*Resolution dependent on platesetter

**Run length dependent on press conditions.

Optimised plate care products

| | |
|-------------------------|-------------------|
| Plate Cleaner | CtP Plate Cleaner |
| Desensitising Agent | PlateEtch Plus |
| Fountain Solution | Prima FS105 News |
| Roller and Blanket wash | Xtrawash Plus 60 |