

# :N94-VCF

## *The Natural Way of Platemaking*

:N94-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, it is designed for chemistry-free operation. Agfa Graphics offers fully integrated newspaper prepress solutions that come complete with CtP, clean-out unit (COU), printing plates and :Arkitek workflow software.



### Benefits at a Glance

- Stable, quick imaging process.
- Easy maintenance and less waste production/handling.
- No hazardous processing chemicals.
- Reduced environmental impact
  - pH-neutral clean-out solution
  - No developer, nor replenisher
  - 100% water saving
- Run lengths up to 200,000 prints
- Suited for high quality :Arkitek Sublima screening



*High volume plate production system :Advantage N-DL, complete with on-line :VXCF 85 COU.*

### Imaging & Processing Principle

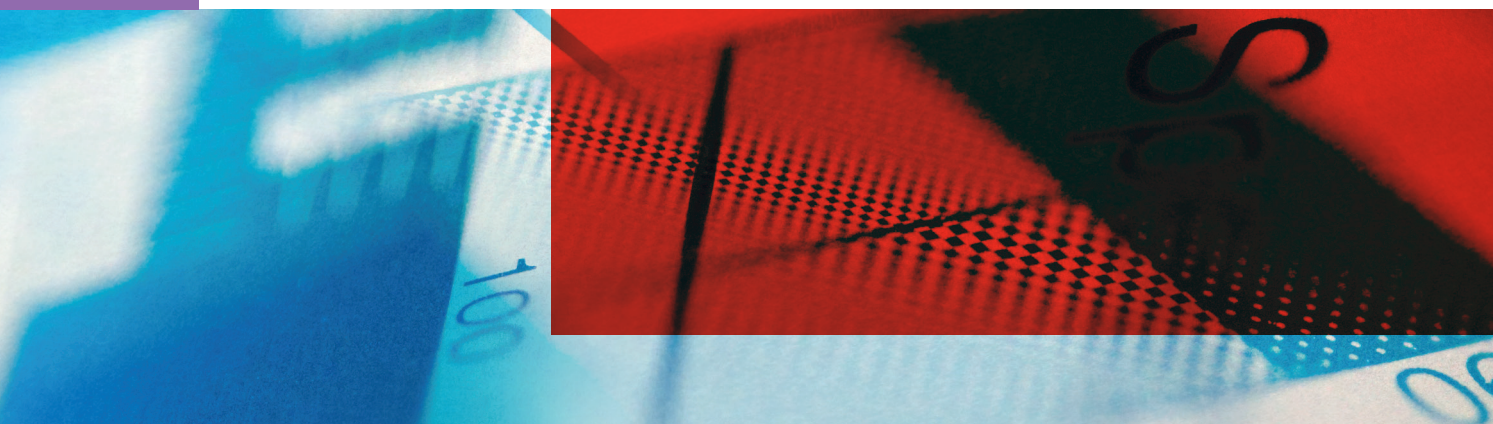
This chemistry-free plate works with all mainstream violet CtP units currently in use at newspaper print sites across the world and emitting at least 30 mW.

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 a dedicated plate gum, during which process the soft, unexposed non-image area is easily and cleanly removed.

### Durable Substrate

:N94-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.

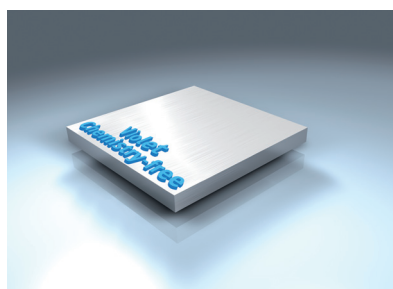
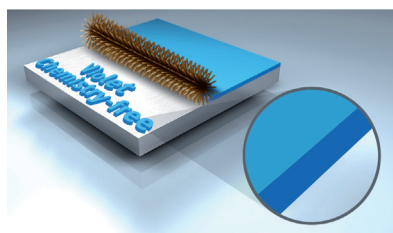
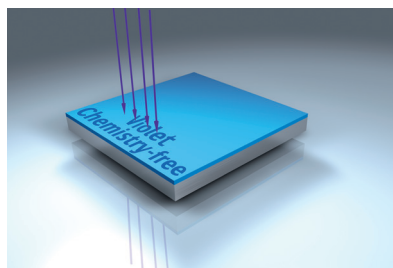
# :N94-VCF



## 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.).

:N94-VCF combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.



## 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 anodized   |
| Sizes                | Newspaper web  |
| Spectral sensitivity | 405 nm violet laser diode  |
| Resolution*          | 2-98 % at 110 lpi for ABS<br>1-99 % at 180 lpi for Sublima   |
| Clean Out Unit       | :V(X)CF 85 or modified processors :VPP & :VXP & :VXXP  |
| 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%.<br>Do not expose to 50°C temperatures for more than 24 hours.               |
| Run length**         | Up to 200,000<br>Not suited for UV inks. The plate can be baked for increased run length, if rewashed and refinished with a suitable baking gum. |

\*Resolution dependent on platesetter

\*\*Run length dependent on press conditions.

## Agfa Graphics' Optimised Gums and Pressroom Chemicals

|   |                      |                              |
|---|----------------------|------------------------------|
| Gums                                      | Machine and manual   | Unifin RC795                 |
|   | Baking gum           | Not applicable               |
| 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             | Not applicable               |
|   | Heatset              | Not applicable               |
|   | Coldset              | ANTURA fount CS(H)1          |
| Roller and blanket washes                 |                      | Xtrawash Plus 40 & 60        |

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.

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

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