



ATTIRO VHS

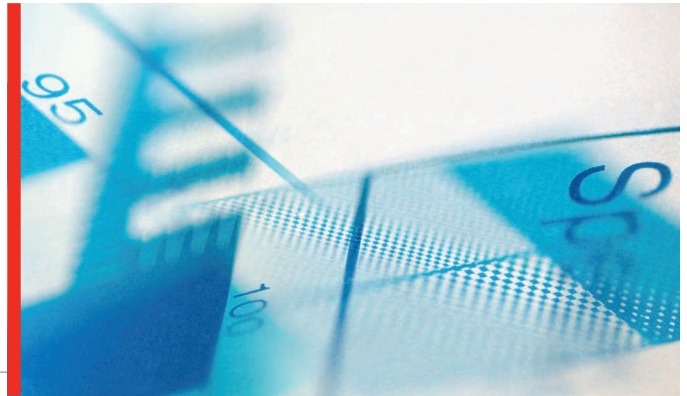
## N95-VCF

Violet chemistry-free offset printing plate for newspapers that combines outstanding lithographic quality with easy handling, excellent durability and eco-friendliness.

# N95-VCF

## The natural way of platemaking

N95-VCF is one of Agfa's photopolymer offset plates for the newspaper industry. Like other violet offset plates, it is sensitized for visible lasers emitting at 405 nm, but, instead of requiring a chemical developer for processing, it is designed for chemistry-free operation. Agfa offers fully integrated newspaper prepress solutions that come complete with CtP, clean-out unit (COU), printing plates, screening technologies and Arkitex workflow software.



High-volume plate production system Advantage N-TR HS complete with on-line Attiro VHS COU.

## Benefits at a glance

- High robustness on the press (run length, dot gain ...)
- Fast clean-up, make ready and restarts—saves paper waste, time and money
- Very high image contrast after clean-out and gumming, allowing a faultless physical image inspection and as such avoiding confusion or mix-up on press
- Once cleaned out, the plate is fully daylight resistant
- High scratch resistance
- Suited for high-quality Arkitex Sublima screening and SPIR@L screening

## Imaging & processing principle

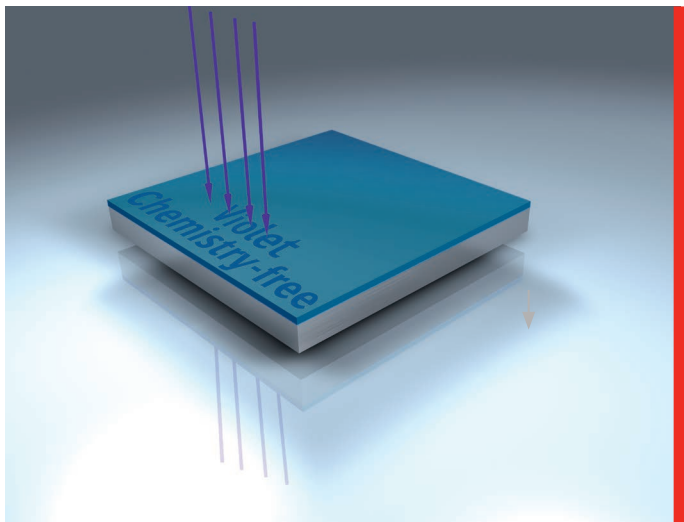
This chemistry-free plate works with all mainstream violet CtP units currently in use at newspaper print sites across the world. During exposure, the violet-laser diode starts the polymerisation of the image area, which is completed in the first section of the COU. Subsequently the plate is gummed with a dedicated plate gum, during which process the soft, unexposed non-image area is easily and cleanly removed.

## Durable substrate

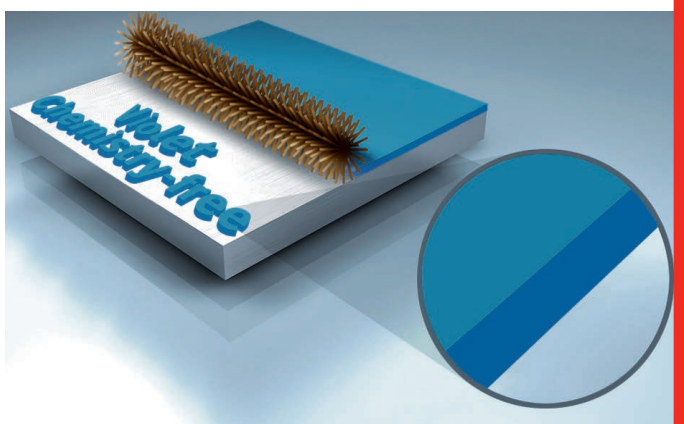
N95-VCF provides the solid foundation for consistent press performance. Advanced electrochemical graining and anodizing yield the reliability and robustness needed on a newspaper press and the durability required to produce long press runs.

## 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 readers can be used to read the plate without problems. With its high-contrast — dark and stable image on a standard aluminium substrate — a quick visual check will quickly reveal possible errors (e.g. imposition). N95-VCF combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.



Violet laser diode starts the polymerisation for the image area



Gumming removes unexposed non-image area



Print-ready plate

## A perfectly clean plate with a clear image at high speed

N95-VCF chemistry-free printing plates form a very attractive solution combined with the high-volume plate production system Advantage N and the high-speed clean-out unit Attiro VHS. The latter features a groundbreaking cascade technology, which brings a wealth of productivity and sustainability:

- Minimal gum consumption for maximal clean-out effect
- Extended bath life, lower maintenance, automated cleaning cycles with Attiro Cleaning Module (ACM)
- Clear image on the gummed plate – no confusion on the press



Attiro VHS clean-out unit, groundbreaking cascade concept for violet chemistry-free

Coldset Printing Partners (CPP), Paal-Beringen, Belgium, has ten Agfa platesetters that are running Agfa's chemistry-free printing plates.



I strongly believe that chemistry-free plates will play a dominant role in newspaper printing in the future.

The most important benefit is the reduction in the use of chemicals and consequently the savings made in disposing of them.

**Erik Elyn**, Plant Manager CPP Paal-Beringen, Belgium



### ECO<sup>3</sup>

Agfa is committed to sustainable innovation focused on ecology, economy, and extra convenience – or ECO<sup>3</sup>. We develop integrated solutions – consisting of hardware, consumables, software and services – that streamline your prepress and printing operations and make them cleaner, more cost-effective and easier to operate and maintain. All while guaranteeing superior and consistent print quality.

The result? More value for your entire business!

## Plate specifications

PLATE CHARACTERISTICS	
<b>Plate type</b>	Negative-working high-speed, chemistry-free violet-laser plate
<b>Coating</b>	Photopolymer
<b>Gauges</b>	0.20, 0.30 mm
<b>Surface</b>	Electrochemically grained and anodized
<b>Sizes</b>	Newspaper web
<b>Spectral sensitivity</b>	405 nm violet-laser diode
<b>Resolution</b>	2-97 % at 130 lpi for ABS 0.5-99.5 % at 180 lpi for Sublima
<b>Clean-out unit</b>	Attiro (VHS), VCF 85 or modified processors: VPP & VXP & VXXP
<b>Clean-out gum</b>	Violet CF GUM NP or Attiro GUM (for Attiro only)
<b>Working conditions</b>	Operating temperature 21-25 °C / Relative humidity 40-60 %
<b>Run length</b>	Up to 300,000 Up to 100,000 for UV inks

AGFA'S PRESSROOM CHEMICALS		
<b>Plate correction pen (for unbaked plates)</b>	Polymer deletion pen	
<b>Plate cleaner</b>	Standard	ANTURA CtP Plate Cleaner
	LOW-Voc / NON-VOC	ANTURA Low-VOC Plate Cleaner
	Cleaning gum	ANTURA CleanGum
<b>Fountain solutions</b>	Sheetfed	Not applicable
	Heatset	Not applicable
	Coldset	ANTURA fount CS(H)1
	Rehardener	RC611
<b>Roller and blanket washes</b>	Xtrawash Plus 40 & 60	
<b>Pressroom starters packs (including fountain solution, dampening cleaner, rehardener (standard pack only) universal key &amp; sponge)</b>	Standard	NP starters pack
	Hard water	NP starters pack hard water

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