Thermal

Arte IP21

Reliability

Proven technology. Efficiency guaranteed.

Thermal positive offset plate for imaging on CTP platesetter. The coating is sensitive to infrared diode laser (IR) at 830 nm. For medium-long runs.

PLATE GAUGES

- Standard: 0,15 / 0,20 / 0,30 / 0,40 mm.
- On request: 0,24 mm.

COATING - EXPOSURE

Coating colour: blue.
Contrast after developer: high.
Day light sensitivity -UV-: up to 2 hours of exposure does not afect the caracteristic of the coating.
Spectral sensitivity: 800 - 850 nm.
Usable on thermal platesetters with internal, external drum and flat bed.
Energy required: approx. **140 mJ/cm².**
Screen reproduction: 0.5% - 99% at 450 l.p.i.
Resolution: up to 3200 dpi and stochastic screen.

DEVELOPMENT

Use **DEVELOPER IP-T9** in suitable processors for thermal plates.

Developer temperature:	23 °C ± 1 °C.	
Development time:	30 ± 5 seconds in immersion.	
Replenishment:	Use **DEVELOPER IP-T9** or **REPLENISHER R-T9**.	
Replenishment rate:	120 ml/m².	50 ml/m².
Antioxidant Stand by ON:	100 ml/h.	40 ml/h.
Antioxidant Stand by OFF:	100 ml/h.	40 ml/h.

GUMMING

Apply **GUM M-503** ready to use for short period of storage.
For long terms storage, apply **GUM F-520**.
For hardening of the image by baking apply **GUM T-511**.

DELETION

Use gel **DELETION KR-78** or **DELETION PEN** with wide, medium and fine point. Apply over the area to be corrected and leave for 20 - 30 seconds. Remove by washing with abundant quantities of water.

BAKING

Hardening of the image by baking will increase the press life of the plate.
Before baking apply **GUM T-511** for protection of the plate during the process.
Baking conditions:

- Static oven: 230 °C during 4 - 5 minutes.
- On-line oven: 255 °C during 2 - 3 minutes.

ON PRESS

PLATE CLEANER A-561 as preparation for the background areas. Avoid systematic use, the solvent base of the cleaners could damage the image and reduce print capacity.
Fountain solution additives IPAGSA **FOUNT PH** are suitable for all sheet fed and web presses.

- **Recommended pH range:** 4,8 - 5,2.
- **Recommended conductivity range:** 800 - 1.500 µS/cm.

Note: The results obtained may vary depending if the conditions of use are outside of our recommended values.

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the offset plates

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