

Thermal

Arte SF25

More than just a plate

More sensitive. Faster. More productive.

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.
 Spectral sensitivity: 800 - 850 nm.
 Usable on thermal platesetters with internal, external drum and flat bed.
 Energy required: approx. **110-130 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:
- ▶ Replenishment rate:
- ▶ Antioxidant Stand by ON:
- ▶ Antioxidant Stand by OFF:

DEVELOPER IP-T9

120 ml/m².

100 ml/h.

100 ml/h.

REPLENISHER R-T9

50 ml/m².

40 ml/h.

40 ml/h.

**Low chemistry
system R-T9**

GUMMING

Apply **GUM M-3** ready to use for short period of storage.
 Apply **GUM F-20** for long terms storage.
 Apply **GUM T-511** for hardening of the image by baking.

DELETION

Use gel **DELETION KR-78** or **DELETION PEN** with wide, medium and fine point. Apply over the area to be corrected and wait 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.