

High resistance

Universe O₂

Improving the most universal

High Productivity. UV ink resistant. Designed for extreme press conditions.
Eco friendly. High cleaning process.

Thermal positive offset plate of high chemical resistance on press. For imaging on CTP platesetter without the need to pre-heat or post-bake. Is suitable for long runs using UV, Hybrid UV and metallic inks, with alcohol-free and alcohol substitute founts.

PLATE GAUGES

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

**COATING -
EXPOSURE**

- Coating colour: Light blue.
- Contrast after developer: High.
- Spectral sensitivity: 800 - 850 nm.
- Energy required: Approx. **110-130 mJ/cm²**.
- Screen reproduction: 1 - 99% at 450 l.p.i.
- Resolution: Up to 4000 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 - 70 ml/m².
40 - 60 ml/h.
40 - 60 ml/h.



Low chemistry
system R-T9

Increase developing bath life up to 40-60% more respect to Universe HCR. Save time on processor machine cleaning, filter change and maintenance (*).

**GUMMING /
DELETION**

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

Use IPAGSA **DELETION PEN POS** with wide and fine point.

BAKING

Not required due to its high chemical resistance to UV and metallic inks, alcohol free and alcohol substitute founts. If necessary to increase the press life of the plate, apply **GUM T-511** before baking for protection of the plate during the process.

- Baking conditions:
- ▶ Static oven: 235 °C during 4 - 6 minutes.
 - ▶ On-line oven: 260 °C during 2 - 4 minutes.

ON PRESS**RUN LENGTH:**

- ▶ U.V. ink and metal ink: 200.000 copies (**).
- ▶ Standard inks: 400.000 copies (**).
- ▶ Baked: 800.000 - 1 Million of copies (**).

PLATE CLEANER A-562 as preparation for the background areas. Avoid its systematic use.
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.

(*) Depending on processor machine, replenisher quantities, CTP setting, etc.

(**) Depending on press conditions and type of job.

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