

CTcP

# ECO R

## The CTcP universal

*Highest productivity and robustness.*

Positive offset plate of high chemical resistance on press, for imaging on CTcP platesetter. The coating is sensitive to ultraviolet lamps or violet diode laser at 400 - 410 nm. Is suitable for long runs using UV and metallic inks, with alcohol-free and alcohol substitute founts.

### PLATE GAUGES

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

### COATING - EXPOSURE

Coating colour: dark blue.  
 Colour change after exposure: high.  
 Contrast after developer: high.  
 Day light sensitivity -UV-: It is recommended to work under safety yellow light of low UV radiation.  
 Spectral sensitivity: 350 - 450 nm. with peak sensitivity at 400 nm.  
 Usable on platesetters with internal, external drum and flat bed.  
 Energy required: approx. **45-55 mJ/cm<sup>2</sup>**.  
 Screen reproduction: 1% - 99% at 200 l.p.i.  
 Resolution: up to 4000 dpi and stochastic (FM) screen 20 microns.

### DEVELOPMENT

Use **DEVELOPER IP-C01** in suitable processors for analogue and/or thermal positive plates.

- ▶ Developer temperature: 23 °C ± 1 °C.
- ▶ Development time: 25 ± 5 seconds in immersion.
- ▶ Replenishment:
- ▶ Replenishment rate:
- ▶ Antioxidant Stand by ON:
- ▶ Antioxidant Stand by OFF:

#### DEVELOPER IP-C01

120 ml/m<sup>2</sup>.  
 100 ml/h.  
 100 ml/h.

#### REPLENISHER R-C01

50 - 70 ml/m<sup>2</sup>.  
 40 - 60 ml/h.  
 40 - 60 ml/h.



Low chemistry  
system R-C01

### GUMMING / DELETION

Apply **GUM M-3** ready to use for short period of storage.  
 Apply **GUM F-20** 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 - 3 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 press conditions and type of job.

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