



## SELEKTA thermal plate

## user informations

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 / 0,30 mm.

### COATING - EXPOSURE

Coating colour: blue.

Contrast after developer: high.

Day light sensitivity -UV-: up to 2 hours of exposure does not affect the characteristic of the coating.

Spectral sensitivity: 800 - 850 nm. with peak sensitivity at 830 nm.

Usable on thermal platesetters with internal, external drum or flat bed.

Energy required: approx. **130 mJ/cm<sup>2</sup>**.

Screen reproduction: 1% to 99% at 250 l.p.i.

Resolution: over 3200 dpi and stochastic screen.

### DEVELOPMENT

Use developer **TWS WideChem Thermal Dev** in suitable processors for thermal plates.

Developer temperature: 23° C ± 1° C.

Development time: 30 ± 5 seconds in immersion.

Replenishment: use developer **TWS WideChem Thermal Dev** as a replenisher.

Replenishment rate: 100 ml/m<sup>2</sup>.

Antioxidant Stand by ON: 100 ml/h.

Antioxidant Stand by OFF: 100 ml/h.

### GUMMING

Apply **Special Gum 850S** ready to use for short and long period of storage.

For hardening of the image by baking apply **Gomma 804 Termoprotettore**

### DELETION

Use **243 Positive Deletion Fluid** or deletion pens 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 **Gomma 804 Termoprotettore** 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

Use **H561 Gum Cleaner** as preparation for the background areas prior to starting the print run.

Avoid systematic use, the solvent base of the cleaners could damage the image and reduce print capacity.

Fountain solutions:

Recommended pH range: 4.8 - 5.2

Recommended conductivity range: 800 - 1.500 microsiemens.