

Conventional TOP F100

Improving the tradition

Quality and prestige.

Analogue positive offset plate for medium-long runs. The coating is sensitive to ultraviolet lamps at 350 - 450 nm.

PLATE GAUGES

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

EXPOSURE

Coating colour: Dark blue.

TOP F100 can be exposed with metal-halide or UV lamps that emit in the wave-length between 350 - 450 nm. The black density of the film should be 2.5 minimum.

In order to determine the correct exposure time it is recommended to use scales UGRA 1982, STOUFFER or similar.

Recommended reproduction results using UGRA 1982:

- ▶ **Grey scale -continuous tone-**: clear n° 3 - density 0,45-
- ▶ **Microlines:** 8 - 10 microns

DEVELOPMENT

TOP F100 can be developed with all types of universal positive developers.

The best results are obtained using IPAGSA range of developers.

	Method of use	Temperature		Development time	
		Manual	Processor	Manual	Processor
DEVELOPER IP-C03	Dilute 1+14	20 - 22 °C		45 - 60 seconds	
DEVELOPER IP-C03	Dilute 1+15		24 °C ± 1 °C		30 ± 5 seconds
DEVELOPER HF-LD	Ready to use	20 - 22 °C	24 °C ± 1 °C	45 - 60 seconds	30 ± 5 seconds
DEVELOPER HF-C8	Dilute 1+8	20 - 22 °C	24 °C ± 1 °C	45 - 60 seconds	30 ± 5 seconds

DEVELOPER REPLENISHMENT

	Method of use	Replenishment rate
DEVELOPER IP-C03	Dilute 1+12	80-100 ml/m ²
DEVELOPER HF-LD	Ready to use	100-120 ml/m ²
DEVELOPER HF-C8	Dilute 1+6	70-90 ml/m ²

GUMMING

The plate should be protected with a gum designed to ensure there is no oxidation in the non image areas. It is advised to remove all gum before starting the print run to ensure rapid ink-water balance.

GUM M-31 Gum for processors Mix 1+1 with water.

GUM M-3 Gum for processors. Ready to use.

GUM F-20 Gum for plate storage. Ready to use.

GUM T-511 Gum for the baking process. Ready to use.

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.

Apply **GUM T-511** for protection of the plate during the process.

Baking conditions: ▶ Static oven: 200 - 220 °C during 6-8 minutes.

▶ On-line oven: 230 - 250 °C during 3-4 minutes.

The image will be hardened correctly when, on applying deletion gel for 4-5 minutes on the coating, the colour of the coating does not alter. If there is an appreciable alteration in the colour modify the time or temperature of the baking.

ON PRESS

PLATE CLEANER A-610 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.