

STAR PLATE F

Plate Gauges

Standard: 0,15 – 0,20 – 0,30 – 0,40 mm / on request: 0,50 mm

Exposure

Star Plate F 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

Printing run stability: 50.000 – 150.000 according to the printing substrate.

Development

Star Plate F can be developed with all types of universal positive developers. The best results are obtained using **TETENAL** range of developers.

PLATE STAR F Developer	Art.-No. 106522	Ready-to-use
Offset Plate Developer P 32 M	Art.-No. 106596	Dilution 1 + 3
PLATE STAR 1 + 9	Art.-No. 106507	Dilution 1 + 12

Developer Replenishment

PLATE STAR Replenisher	Art.-No. 106544	Rep.-Rate: 100–120 ml/m ²
PLATE STAR Replenisher ECO	Art.-No. 106565	Rep.-Rate: 50– 60 ml/m ²
Offset Plate Developer P 32 M Dilution 1 + 1	Art.-No. 106596	Rep.-Rate: 70– 90 ml/m ²
PLATE STAR 1 + 9 Dilution 1 + 6	Art.-No. 106507	Rep.-Rate: 50– 60 ml/m ²

Gumming

Star Plate F 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 – ND	Art.-No. 106100	Ready-to-use for manual Processor Dilution1 + 1
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Baking

Hardening of the image by baking will increase the press life of the plate. Before baking wash abundantly with water to remove any residues of deletion fluid and apply acid solution.

Baking conditions:

Static oven:	200-220 ⁰ C	during 6 – 8 minutes
On-line oven:	230-250 ⁰ C	during 3 – 4 minutes

Star Plate F 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.

Deletion

Deletion pens can be used to remove unwanted images on the plate.

TETENAL Deletion Pens

in following sizes:

Normal	3,0 mm	Art.-No. 106133
Fine	1,0 mm	Art.-No. 106131
Extra fine	0,5 mm	Art.-No. 106129

On Press

Offsetplate Cleaner

Art.-No. 106521

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.