

# DTP Inkjet Plate

## TECHNICAL DATA SHEET

### DESCRIPTION

StudioRIP DTP Inkjet Plates are CTCP plates for the offset printing Industry, designed for StudioRIP DTP computer to plate equipment. The DTP plates are similar to conventional CTCP plates, but have an inkjet coating layer applied for accepting and holding inkjet ink.

### FEATURES

- Compatible StudioRIP DTP equipment
- Compatible with conventional offset presses
- Sharp details, 175 lpi

### ALLOY

1050H18 Aluminum	≥99.5% purity
Thickness and Tolerance	0.15 mm–0.30 mm
• 0.15 mm	±0.010 mm
• 0.20 mm	±0.010 mm
• 0.25 mm	–0.02 mm/+0.01 mm
• 0.30 mm	–0.03 mm/+0.01 mm

### SIZE AND SHAPE

Maximum length	1500 mm
Maximum width	900 mm
Cutting tolerance	±1.0 mm
Diagonal tolerance	±1 mm < 1 m, ±2 mm > 1 m
Wave	< 3×3 mm/m
Edge Burr	< 50 μm

### SUBSTRATE PARAMETERS

Anodic Weight	2.50–3.00 g/m <sup>2</sup>
Grain Roughness	0.45–0.65 μm
Coating Weight	2.15–2.45 g/m <sup>2</sup>



### TECHNICAL PERFORMANCE SPECIFICATIONS

Processing time at 23°C	25–35 seconds
Sensitivity (to clear 0.15 density)	70–80 mJ/cm <sup>2</sup>
Exposure UV wavelength	320–450 nm
Resolving power	8–10 μm, 2–98%
Sensitivity latitude	±0.05 density
Run length	
• unbaked plates	30,000–60,000 copies
• baked plates	60,000–120,000 copies

### COSMETIC APPEARANCE

Coating color	Blue
Color change after exposure	Light blue

### STORAGE

- Shelf life: 1 years in proper conditions
- Store in dry place on room temperature
- Transport in extreme humidity or temperature conditions should be as short as possible.



### WARNING!

StudioRIP DTP plates are the only plates on the market compatible with StudioRIP Droplet to Plate CTP machines. Any other plates without inkjet coating are useless with the system: the ink spreads without coating, producing unusable quality.