

# WATERLESS OFFSET PRINTING



Super High-Resolution thermal negative CTP printing plate

IMPRIMA™ SD, Super High Resolution Waterless Printing plate can be utilized to consistently print images with a resolution of less than 10 micron.

Technical Data	
Type	IMPRIMA™ SD
Feature	Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm
Application	Security / High Definition printing
Plate base	Aluminum
Gauge	0.30 mm
Available sizes	All common plate sizes
Sensitivity	80-140 mJ/cm <sup>2</sup> <i>(Dependent on imager type, configuration and resolution)</i>
Resolution	AM screening: 1-98% @ 450 lpi (180 l/cm) FM screening: 1-99 % with Staccato 10 Hybrid screening: 1-99 % e.g. Sublima 340
Compatibility with FM screening	≤ 10 μm
Daylight resistance	Up to 3 hours under standard safe-light conditions
Run length	Dependent upon image resolution, press, press chemicals, ink and paper conditions
Processors	Toray TWL 650F Waterless Plate processor Toray TWL 1160F2 Waterless Plate processor Heights TWP 680/1250 Waterless Plate processor Könings KTW 653/853 Waterless Plate processor
Processing	Step 1 - DP-1 <i>(pre-treatment)</i> Step 2, 3 - Water: 5 <sup>0</sup> -8 <sup>0</sup> dH, 20 <sup>0</sup> -25 <sup>0</sup> C Step 4 - DA-1 <i>(after-treatment):</i>
Pre-treatment temperature	35°C +/- 1 <sup>0</sup> C
Processing speed	30-80 cm/min
Dwell time	Dip to Nip: 45 - 90 sec. <i>(Dependent on processor type)</i>
Plate finisher	Not applicable

## Learn more about Toray Waterless Printing

Please visit: [www.imprima.toray](http://www.imprima.toray)

### Graphics Division

**Toray Textiles Central Europe s. r. o.**

Průmyslová 4, 79640 Prostějov

Czech Republic

Phone: +420 (582) 303808

E-Mail: [imprima@ttce.toray.cz](mailto:imprima@ttce.toray.cz)

