

WATERLESS OFFSET PRINTING

IMPRIMA™ SB, High-quality digital thermal waterless negative CTP printing plate
Delivers outstanding sharp detail and stability demanded in the security printing segment

Technical Data	
Type	IMPRIMA™ SB
Feature	Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm
Application	High Resolution applications, developed for security printers who desire a plate with excellent unbaked durability and chemical resistance
Plate base	Aluminum
Gauge	0.15 mm, 0.24 mm, 0.30 mm
Available sizes	All common plate sizes
Sensitivity	80 - 140 mJ/cm ² <i>(Dependent on imager type, configuration and resolution)</i>
Resolution @ 2.540 dpi	AM screening: 2-98% @ 200 lpi (80 l/cm) FM screening: 1-99 % with Staccato 25 Hybrid screening: 1-99 % e.g. Sublima 240
Compatibility with FM screening	25 µm
Daylight resistance	Up to 3 hours under standard safe-light conditions
Run length	Non UV: up to 80.000 / With UV: up to 30.000 <i>Dependent upon image resolution, press, press chemicals, ink and paper conditions</i>
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 - PX <i>(pre-treatment)</i> Step 2, 3 - water: 5 ⁰ -8 ⁰ dH, 20°-25°C Step 4 - AX <i>(after-treatment)</i>
Pre-treatment temperature	35°C +/- 1°C
Processing speed	Toray TWL 650F Waterless Plate processor: 30 - 40 cm/min. Toray TWL 1160F2 Waterless Plate processor: 50 - 80 cm/min. Heights TWP 680/1250 Waterless Plate processor: 50 - 80 cm/min. Könings KTW 653/853 Waterless Plate processor: 50 - 80 cm/min.
Dwell time	Toray TWL 650F Waterless Plate processor: 60 - 80 sec Toray TWL 1160F2 Waterless Plate processor: 45 - 72 sec Heights TWP 680/1250 Waterless Plate processor: 45 - 72 sec Könings KTW 653/853 Waterless Plate processor: 30 - 48 sec
Plate finisher	Not applicable

Learn more about Toray Waterless Printing

Please visit: www.imprima.toray

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