

## WATERLESS OFFSET PRINTING

IMPRIMA™ GB, High-resolution digital thermal waterless negative CTP printing plate

Delivers high resolutions, outstanding sharp detail and stability demanded for waterless printing applications

| Technical Data                  |   |
|---------------------------------|---|
| Type                            | IMPRIMA™ GB   |
| Feature                         | Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm  |
| Application                     | High Resolution applications. Versatile Waterless offset printing plate, developed for waterless printers who desire a plate with high resolutions and 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 - 140mJ/cm <sup>2</sup> <i>(Dependent on imager type, configuration and resolution)</i>  |
| Resolution @ 2.540 dpi          | AM screening: 2-98% @ 200 lpi (80 l/cm)<br>FM screening: 1-99 % with Staccato 25<br>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<br><i>(Dependent upon image resolution, press, press chemicals, ink and paper conditions)</i>  |
| Processors                      | Toray TWL 650F Waterless Plate processor<br>Toray TWL 1160F2 Waterless Plate processor<br>Heights TWP 680/1250 Waterless Plate processor<br>Könings KTW 653/853 Waterless Plate processor   |
| Processing                      | Step 1 - PX <i>(pre-treatment)</i><br>Step 2, 3 - water: 5 <sup>0</sup> -8 <sup>0</sup> dH, 20 <sup>0</sup> -25 <sup>0</sup> C<br>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<br>Toray TWL 1160F2 Waterless Plate processor: 50 - 80 cm/min<br>Heights TWP 680/1250 Waterless Plate processor: 50 - 80 cm/min<br>Könings KTW 653/853 Waterless Plate processor: 50 - 80 cm/min |
| Dwell time                      | Toray TWL 650F Waterless Plate processor: 60 - 80 sec<br>Toray TWL 1160F2 Waterless Plate processor: 45 - 72 sec<br>Heights TWP 680/1250 Waterless Plate processor: 45 - 72 sec<br>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](http://www.imprima.toray)

#### Graphics Division

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