WATERLESS OFFSET PRINTING

High-resolution digital thermal waterless negative CTP printing plate
Delivers outstanding sharp detail and stability demanded in the security printing segment

Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>IMPRIMA™ SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feature</td>
<td>Non ablativ, negative working, digital thermal waterless printing plate with a wavelength of 830 nm</td>
</tr>
<tr>
<td>Application</td>
<td>Outstanding High Resolution applications, developed for security printers who desire a plate with excellent unbaked durability and chemical resistance</td>
</tr>
<tr>
<td>Plate base</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Gauge</td>
<td>0.15 mm, 0.24 mm, 0.30 mm</td>
</tr>
<tr>
<td>Available sizes</td>
<td>All common plate sizes</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>80 - 140 mJ/cm² (Dependent on imager type, configuration and resolution)</td>
</tr>
</tbody>
</table>
| Resolution @ 2.540 dpi | AM screening: 2-98% @ 240 lpi (96 l/cm)  
FM screening: 1–99 % with Staccato 20  
Hybrid screening: 1–99 % e.g. Sublima 280 |
| Compatibility with FM screening | 20 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 (pre-treatment)  
Step 2, 3 - water: 5º-8º dH, 20º-25º C  
Step 4 - DA-1 (after-treatment) |
| Pre-treatment temperature | 35ºC +/- 1º 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

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