

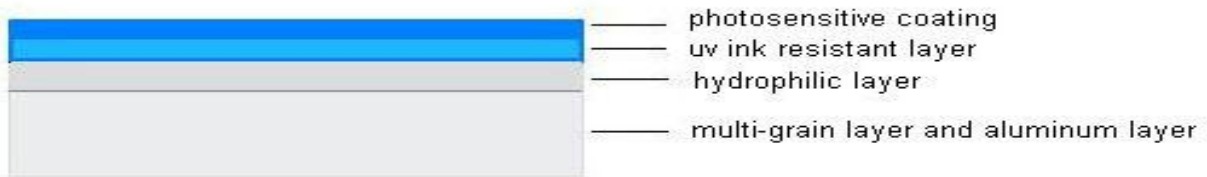
## THERMAL TP U - HUAGUANG

### CTP THERMAL DOUBLE COATING POSITIVE PLATE

Designed to work with 830 nm thermal laser platesetters. On aluminium electrochemically grained and anodized support.  
For processing step it's advisable to use CtP chemistry, studied by same manufacturer.  
You register a high tone reproduction with an image definition 1%-99%  
We suggest to use TP-U plate in air conditioned environment : 25°C, with humidity at 60%.  
This plate has excellent press performance with normal and **UV inks**, higher runs can be reached with thermo-curing through post-baking.  
Field of application is commercial printing, also UV.

#### Structure

Chemical / mechanical resistance of the surface, thanks to double coating formulation and to higher polymer density controlled by a unique properties technology.



### Technical specifications

|  |   |
|--|---|
| <b>TYPE OF PLATE</b>   | Thermal positive DOUBLE COATING   |
| <b>PLATE NAME</b>  | <b>THERMAL TP-U</b>   |
| <b>SUBSTRATE</b>   | Aluminium 1050, electrochemically grained and anodized  |
| <b>SENSITIVE LAYER</b>   | Photopolymer (thermal positive) <a href="#">double layer</a>  |
| <b>SPECTRAL SENSITIVITY</b>  | Ir 800 - 850 nm   |
| <b>SAFE LIGHT</b>  | Not required  |
| <b>REQUIRED ENERGY</b>   | 110-140 mj/cm <sup>2</sup>  |
| <b>PRE-HEATING</b>   | No  |
| <b>DEVELOPER</b> : Imaf THERM DEVELOPER PMA<br><b>DEVELOPER</b> : Imaf THERM DEVELOPER PLATINUM K 100<br><b>Development temperature</b><br><b>Contact time</b> | <b>REPLENISHER:</b> Imaf THERM REPLENISHER PM-R/PM-R PLUS<br><b>REPLENISHER:</b> Imaf THERM REPLENISHER PLATINUM K /100 R<br>23°C - 24°C<br>28" – 35" |
| <b>OVEN BAKING</b>   | Baking possibility for high runs – <a href="#">Thermo-protector</a> TP 3001   |
| <b>PROTECTION GUM</b>  | Imaf NEOGUM - TECNOGUM  |
| <b>RESOLUTION</b>  | 1%-99% at 200 lpi   |
| <b>LENGHT OF RUN</b>   | > 250.000 impressions with normal inks, 50.000 with UV inks   |
| <b>SHELF LIFE</b>  | 18 months from production date, at 25°C, humidity 60% and in original packing   |
| <b>AVAILABLE GAUGES</b>  | 0,15 - 0,30 - 0,40 mm   |