

TD-G Processless Thermal CTP Plate

TD-G is a new green printing product suitable for thermal CTP platesetters. There is no need of any processing steps before mounting exposed plates on press.



Characteristics

- ▶ Negative non-ablation photosensitive system
- ▶ Compatible with the dominant devices in the market
- ▶ Can be printed directly on the machine without any processing steps after scanning by thermal CTP platesetter
- ▶ Good dot reproduction, stable performance, wide processing latitude
- ▶ Long stability of latent image, can be stored at least a week after plate-making
- ▶ High quality aluminum substrate, professional coating formulation

Plate structure

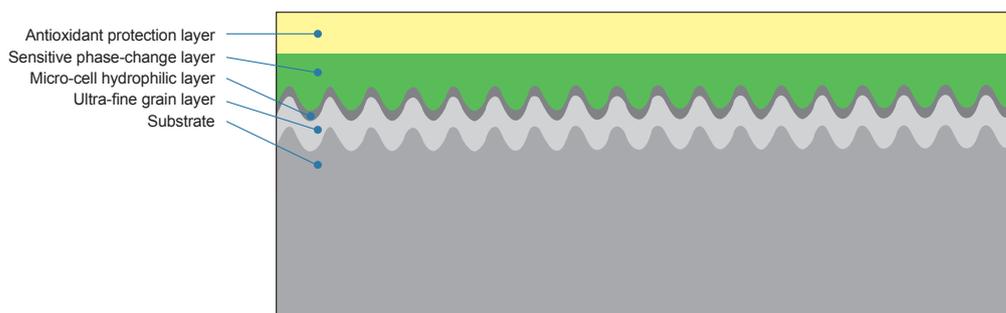


Plate-making Procedure

There is no need of any processing steps before mounting exposed plates on press.

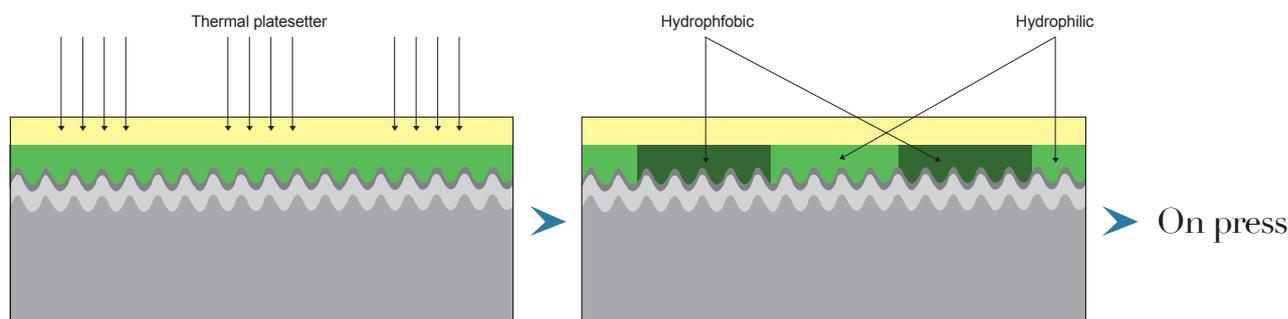


Plate Technical Specification >

| | |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| Type | Non-ablation thermal negative-type |
| Substrate | Electrolyte graining and anodized Al substrate |
| Thickness | 0.15mm/0.30mm |
| Spectrum scope | 800-850nm |
| Platesetter | Various dominant thermal platesetters in the market |
| Low-energy imaging | 130~150mJ/cm ² |
| The period of latent image stabilization | ≤7days |
| Recommended screen method | 1~99 @200pi AM/ 20u FM and mixture |
| The paper number of start-up | <50 sheets |
| Safety light | 1 hour under fluorescent lamp, no direct irradiation with natural light), 4 hours under yellow light |
| Processing | Without processing, directly on press |
| Run length | 100,000 impressions, actual run length depends on printing conditions |
| Baking | No recommended |



1. After imaging exposure, the longest time which plate can be placed for without affecting the printing quality is the latent image stabilization.
2. The paper number of start-up is the paper number at loss from the first paper to providing completely clean background.
3. Printing methods: firstly clean the ink on the rubber blanket with washing water, run water roller 30 to 60 seconds, and then close the ink roller to run for 20-40 seconds and finally start paper printing.



Application >

Suitable for sheet-fed offset press or high speed rotary offset press
 Run length: 100,000 impressions
 Suitable for different types of traditional inks and fountain solutions, including alcohol's substitutes as fountain solutions
 Unsuitable to improve run length by baking plates

Transportation and Storage >

Packed in seal and stored by means of preventing from light/moisture, over heat and high humidity.
 Recommended conditions: 18°C~24°C, 40%~50% RH.