



## TIPS for PRINTIGHT®

### 1. Storage of PRINTIGHT®

- (1) Unexposed plate: To ensure a longer shelf life, store the unexposed plate in a dark room at a temperature below 25°C(77°F) and humidity below 65%.
- (2) Processed plate : After printing, when the plate is kept for future use, store it in a sealed polyethylene bag and in a dark room at humidity of 50 - 70%.

### 2. Handling

- (1) It is recommended to handle the unexposed plates under the yellow safelight or UV cut lamp.
- (2) **For protecting the skin and eyes while handling the plates, wear protective gloves and glasses.**
- (3) For further information, refer to MSDS available from our local distributors.

### 3. Removing cover film

Peel off the cover film slowly without any stop motion. When the plate is stored at a temperature below 20°C (68°F), it is sometimes difficult to peel off the cover film. In this case, keep the plate tentatively at a place with the temperature of 25 - 35°C(77 - 95°F) for 1 - 2 hours and then peel it off.

### 4. Exposure

- (1) Contact emulsion side of negative film with the plate without any dust nor air bubble in between, and then apply vacuum.
- (2) It is important to determine the correct exposure time using a 21 steps grey scale. The number of steps to be solid for each type is indicated in the following table:

Type	K	J and E	S	U	B	C
Hardness (Shore D)	67	55	40	27	25	25
Stouffer	14 - 15	15 - 16	15 - 16	15 - 16	15 - 16	15 - 16

#### Notes:

- Fine lines or fine dots need a longer exposure time.
- A shorter exposure time gives deeper reverses and sharper halftones.
- Select the correct exposure time using the grey scale depending on the image of a negative film.
- Add one step to the above mentioned number when using the plate having 1.52mm or thicker one.

### 5. Washout

- (1) Water temperature: 20 - 25°C(68 - 77°F)
- (2) Washout time: Actual time may vary depending on the type of washout unit.

Types	K·J·E·S·U·B·C			
Thickness of plate (mm)	0.43 - 0.73	0.73 - 1.20	1.20 - 1.75	2.00 - 2.30
Washout time(min.)brush type	1.0 - 2.0	1.5 - 3.0	2.5 - 4.5	5.0 - 6.0

\*PRINTIGHT® has water soluble tendency faster than other manufactures and the image quality might be reduced by excessive washout.

- (3) It is strongly recommended to dehydrate a washed-out plate by using a sponge roller immediately after washout.

### 6. Drying

Dry the plate at 60 - 70°C(140 - 158°F) for 10 min with the air circulation. For the plate having thickness more than 1.2mm, dry additional 5 - 10 min.

### 7. Post-exposure

Post-exposure time should be the same or longer than main exposure time to cure the polymer completely.

### 8. Post-drying

To the plate for carbon printing, apply additional post-drying at 70 - 80°C(158 - 176°F) for 20 - 30 min.

### 9. Disposal of waste water

Follow all the laws and regulations in your country.

\*If the quality defect due to production error should be founded and confirmed, replacement goods of the same quantity shall be supplied with free of charge. Returns nor replacement other than the reason mentioned above will not be accepted.

Contact: TOYOBO CO., LTD. Photo-Functional Materials Dept.  
 2-8, Dojima Hama 2 Chome, Kita-ku, Osaka 530-8230 JAPAN  
 TEL. 81-6-6348-3059, FAX. 81-6-6348-3099  
 E-mail. PhotoFM@toyobo.co.jp Website. <http://www.toyobo.co.jp/e/seihin/xk/index.htm>