



DUAL CURE DISCHARGE (TDC101)

Main Characteristics

Number of components

Two Pack/Blue colour

Sensitizer Type

Powder

Solid content (unsensitized) %

45 %

Instruction for use

- Cut or tear the powder daizo sachet.
- Add the powder sensitizer to the bottle and add water until the bottle is approximately 2/3 full.
- Shake the bottle well until the contents have dissolved.
- Add sensitizer solution emulsion and stir well before use.
- Leave the emulsion to de-gas for 1 hr before use.

Preparing the Screen

- New screen should be abraded with Screenprep (SPR034) before use for optimum stencil durability.
- Degreasing the screen, use Degreaser Plus (P-6419)

Coating

Manual

- Apply one or two coats of Dual Cure Discharge, wet on wet, to the print side of screen.
- Apply one or two coats of this emulsion, wet on wet, to the squeegee side of screen.
- If a higher build of Dual Cure Discharge is required extra coats should be applied, wet on wet to the squeegee side.

Automatic

- When using an automatic coating machine, a simultaneous single coat on each side of the screen is recommended.
- If higher builds are required, extra coats should be applied to the squeegee side of the screen.

Drying

Put coated screen in hot air oven with squeegee side up. Do not exceed 40 °C.

Table of Exposure Guide

Light Source	Distance	Length of Exposure Time*
3000W Metal Halide	100 cm.	30-40 Seconds

* Using 48-34W Polyester Screen Mesh.

Developing

Place the screen in washout booth and gently spray both sides, increase the spray pressure slightly. Continue developing until or parts of the image appear clean and sharp.

Spotting

Check for pinholes or blemishes. Spot out with a suitable filler with emulsion dried and re-exposed.

Reclaiming the Screen

- Screenstrip Powder (SST002) thoroughly to both side of the stencil.
- Screenstrip Liquid (SST004) thoroughly to both side of the stencil.

Recommended inks

Water based, Plastisol and discharge ink.

Caution

Special safelight is not essential, but yellow or weak illumination is desirable.

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Features

- Dual Cure Emulsion.
- Excellent latitude, resolution and definition.
- Resistant to water based, platisol and discharge inks.
- The print run resistance can be considerable increased by chemical hardening with PATLY.
- For textile printing.

Standard Packing

Emulsion : 1 Kg use with sensitizer code A3.5
 : 5 Kg use with sensitizer code B17.5

Safety and Handling

- Is free from any toxic, carcinogenic, mutagenic and reprotoxic chemicals.
- Does not have a flashpoint and is, therefore, exempt from the Highly Flammable Liquid Regulations.
- Should be stored away from children.
- Comprehensive information on *the Safety and Handling of Dual Cure Discharge* in Safety Data Sheet.

Storage

- TDC101 should be stored in a cool temperature as possible not below 0 °C or over 25 °C.
- Unsensitized TDC101 can be stored for 12 months.
- Diazo sensitizer can be stored for 12 months.
- Screen coated in advance must be stored at 20°C and in complete darkness.
- With longer storage of pre-coated screen, the emulsion can absorb moisture from the environment. It is therefore advisable to dry again prior to exposing.

Certified Standards

- TDC101 is made by Kulwong Co., Ltd. with ISO 9001/ISO 14001/BS OHSAS 18001 & TIS 18001 Certified by TUV NORD (Thailand) Ltd.

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