



## DIAZOL PLUS CTX (CTX223)

### Main Characteristics

#### Type

Two Pack/Blue colour

#### Sensitizer Type

Powder

#### Solid content (unsensitized) %

49 %

#### Instruction for use

- Cut or tear the powder diazo 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 Diazol Plus CTX, 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 Diazol Plus CTX 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	Mesh No.	Length of Exposure Time*
3000W Metal Halide	100 cm.	77-50 White	30-50 Seconds
		61-64 White	35-55 Seconds
		48-70 White	40-60 Seconds

#### 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 the 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 ink and ceramic ink.

#### Caution

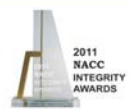
Special safelight is not essential, but yellow or weak illumination is desirable.

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### Features

- Diazo sensitized emulsion.
- Excellent resolution and definition.
- Long print durability.
- For ceramic printing.

### Standard Packing

Emulsion : 1 Kg use with sensitizer code A5  
          : 5 Kg use with sensitizer code B25

### 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 Diazol Plus CTX* in Safety Data Sheet.

### Storage

- CTX223 should be stored in a cool temperature as possible not below 0 °C or over 25 °C.
- Unsensitized CTX223 can be stores 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

- CTX223 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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