



## DIAZOL PLUS CTX (CTX222)

### Main Characteristics

#### Type

Two Pack/Blue colour

#### Sensitizer Type

Powder

#### Solid content (unsensitized) %

47 %

#### 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 hrs 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 on 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*
5000W Metal Halide	100 cm.	77-55 White	90 Seconds
		51-70 White	120 Seconds
		43-80 White	180 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

#### Caution

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

**Features**

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

**Standard Packing**

- Emulsion : 5 Kg and 1 Kg
- Sensitizer : 25 g. and 5 g.

**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 Chaiyaboon Material Safety Data Sheet.

**Storage**

- CTX222 should be stored in as cool a temperature as possible not below 0 °C or over 35 °C.
- Unsensitizer CTX222 be stores for 12 months.
- Diazo sensitizer should be stored for 12 months.
- Screen coated in advance will last stored at 20 °C and in complete darkness.
- With longer stored of pre-coated screen, the emulsion can absorb moisture from the environment. It is therefore advisable to dry again prior to exposing.

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