PLUS TRITON

DESCRIPTION
PLUS TRITON is a high quality truly universal textile emulsion resistant to water based, plastisol and discharge screen printing textile inks. This high quality, high solids, dark blue, dual cure Diazo sensitised emulsion can be used from very coarse mesh counts right up to medium fine mesh counts.

READ整個 TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

APPLICATIONS
Textile screen printing

FEATURES & BENEFITS
- 44% solids - fast drying and good bridging on coarse meshes
- Dark blue - good contrast
- The high solids emulsion gives fantastic coating quality and fast drying even on poorly prepared screens.
- A medium fast exposure coupled with wide processing latitude makes PLUS TX really easy to use.
- On press the emulsion is highly flexible to prevent cracking when over printing stitched seams and can be used with all popular textile inks including, water based, plastisol and discharge inks.
- After printing the emulsion can be decoated using Autostrip.
- Diazodual cure sensitiser - for extreme toughness
- Dark blue - good contrast
- Water, plastisol and discharge ink resistant - a universal textile emulsion
- Highly flexible - will not crack
- Suitable for automatic or manual decoating

WORKING INSTRUCTIONS

Sensitising of Emulsion
Handle the direct emulsions under yellow fluorescent tubes or low wattage Tungsten light.
This emulsion is supplied as a two pack kit comprising the emulsion and powder sensitiser in a sachet.

Prior to sensitising read the Safety Data Sheet.
Mix the two components as follows:
* Cut the powder diazo sachet open using a pair of scissors (DO NOT OPEN WITH TEETH).

* Add the powder diazo sensitiser DIRECTLY to the emulsion (DO NOT DISSOLVE THE SENSITISER IN WATER OR ADD ADDITIONAL WATER TO THE EMULSION).

* Stir thoroughly for approximately 2-3 minutes to ensure emulsion is sensitised throughout. Allow the emulsion to de-gas for approximately 12 hours for 4 liters (1 gallon).
WORKING INSTRUCTIONS - CONTINUED

Mesh Preparation

Unused polyester  Alkemi Autoprep Gel and Alkemi Degreaser Concentrate
Used polyester  Alkemi Degreaser Concentrate
Stainless Steel  Alkemi Degreaser Concentrate

Applying the Emulsion

Stand the screen on edge, angled away from the operator and, using a good quality coating trough, proceed as follows:

Apply 1 coat to the print of the screen.
Apply 1 coat to squeegee side.

The screen should be dried horizontally, squeegee side up and stored under dark or yellow light conditions. Dry the screen at a maximum temperature of 30°C (86°F).

Additional coatings may be applied to the underside of the screen with intermediate drying.

Exposing the Stencil

CORRECT EXPOSURE IS ESSENTIAL FOR OPTIMUM STENCIL PERFORMANCE. UNDEREXPOSURE WILL GIVE A WEAK STENCIL AND REDUCE RESISTANCE.

1. Remove dust from the surface of the stencil and tape positive in position using Alkemi Anti-Dust Cloths.
2. Position the positive with the emulsion in contact with the stencil and place in the printing-down frame.
3. Light sources vary considerably in their general spectral output, therefore it is important to establish to correct exposure level.
4. We recommend use of the Alkemi Exposure Calculator for test exposures to ascertain correct timing.
5. Place entire screen in a suitable vacuum frame and expose.
6. We recommend use of the Alkemi Exposure Calculator for test exposures to ascertain correct timing.
WORKING INSTRUCTIONS - CONTINUED

Washout

Washout the screen from both sides with a strong spray of water. Continue the washout until all parts of the image appear clean and sharp. Blot off surplus moisture with newsprint or a leather and dry. Dry at a maximum temperature of 30°C (86°F) with air circulation.

Spot out blemishes with sensitised emulsion (for water based inks) or Alkemi Blue Block, Green Block or Ruby Block (UV or solvent based inks).

Stencil & Stain Removal

1. Clean the screen of all ink and any residues with recommended Alkemi ink remover.

2. After rinsing the screen with water, apply Autostrip or Stencil Remover Concentrate thoroughly with the Alkemi Brush to both sides of the mesh and leave for 2-4 minutes for the emulsion to soften.

3. Then brush over and rinse off with a strong water spray.

4. The most effective removal is with a high-pressure stripper.

5. If a high pressure unit is not available, any ink stain can be removed with an Alkemi Screen Wash or Aquawash.

INK COMPATIBILITY

Water based, plastisol and discharge inks.

SHELF LIFE & STORAGE

The emulsion should be stored between 5 to 20 °C (41 to 68 °F) for optimum shelf life. The shelf life is 24 months.

PACKAGING

This emulsion is sold in 6 x 1Lt, 2 x 5Lt, 20Lt and 210Lt.
SAFETY & WARNING

MacDermidConnect recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermidConnect

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermidConnect for waste treatment, the user is required to know the appropriate local/state/federal regulations for onsite or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermidConnect

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE.

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