

SAATItex DTR Blue

Economical Diazo Rotary Textile Emulsion

Applications

Rotary textile printing.

Characteristics

- Blue water-based diazo emulsion
- Excellent adhesion to nickel screens
- Very high mechanical and chemical resistance

Features/Benefits

- Specifically designed for double squeegee top to bottom coating
- Excellent coating and cosmetic quality on all rotary screen mesh numbers

Directions for Use

Preparation

SAATITEX DTR Blue must be sensitized with Diazo 530, if whole emulsion pail would be sensitized, or Diazo 75 for customers want sensitize 2,5 kg emulsion only. Diazo must be added directly into emulsion without water dilution. Add the entire contents to the emulsion and mix thoroughly until a smooth consistency is obtained. Write the date of sensitizing on the label and then cover the sensitized emulsion and let stand for a few hours to enable air bubbles to escape. Store sensitized emulsion at 14–17°C (57,2–62,6°F) conditions, use within one month for best results and mix it again every evening before next coating day.

Screen Preparation & Degreasing

The rotary screen can be degreased prior to use. Dry the rotary screen and store in a dust free, dry environment prior to coating.

Coating

Coat top to bottom with double squeegee. We recommend a coating speed between 1 and 2 mt/min. Apply only one coat.

Drying & Storage

Thoroughly dry the coated screen at a temperature of 40–50°C (104–122°F) in a well ventilated oven.

Reclaiming - Prior to Polymerization

Before and after exposure, SAATITEX DTR Blue can be removed with REMOVE ER2 diluted 1:10 with water.

Engraving

Can be engraved using standard halogen lamps, wax jet, digital exposure units having diodes or mono-chromatic sources. Perform an exposure test with exposure calculators, like our "21 Step Sensitivity Guide", to determinate correct exposure time or speed for a complete cure.

Polymerization

Harden exposed emulsion in oven at 200 °C (392 °F) for 1 hour and 30 minutes / 2 hours.

SAATItex DTR Blue

Economical Diazo Rotary Textile Emulsion

Problem Solving

Poor Coating Quality

- Properly clean, degrease and rinse the screen to remove all residues and traces of chemicals
- Ensure that the emulsion has completely degassed before coating.

Poor Detail or Difficulty Washing Out Image

- Ensure emulsion and coated screens are handled in safelight conditions only
- Optimize exposure time and use only high quality film positives
- Do not store sensitized emulsion or coated screen at high temperatures.
- Ensure that damp screens are not being exposed.

Emulsion Falls Off, Extreme Pinholes or Severe Stencil Breakdown During Printing

- Only expose screens with an even and consistent coating thickness
- Ensure that stencil has not been severely underexposed
- Ensure mixed emulsion is not too old, has been correctly sensitized and has not been stored at high temperature after mixing.

Health & Safety

Before using, refer to appropriate Safety Data Sheets. Contact SAATI at info.IT@saati.com to request SDS.

Storage

When sealed in the original container and stored at temperature between 20 and 25°C, SAATITEX DTR Blue will maintain original properties for 24 months from the date of production.

Packaging

Available in 5 kg containers. Diazo SAATI A 15g is supplied separately on request.

Warranty And Limited Warranty

The directions, recommendations and specifications contained within this Technical Data Sheet are meant as a guide for the use of the product and shall not bind the company. Product specifications are subject to change without notice.

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose; All SAATI manufactured liquid products are warranted to be free of defects in materials and manufacture and to meet the specifications in SAATI Product Bulletin.

SAATI will replace or refund the price of any SAATI manufactured liquid product that does not meet this warranty within the applicable warranty period.

The remedies are exclusive. In no case shall SAATI be liable for any other direct or indirect damage or loss, including without limitation any incidental, special or consequential damages, or any material costs or labor charges incident to the removal or replacement of any mesh, screen, ink, substrate, finished graphic or other item.