



TEXTIL CTR

APPLICATIONS

Rotary textile printing.

GENERAL CHARACTERISTICS

- Dichromate-sensitized photoemulsion for laser or conventional photo engraving
- Excellent adhesion to nickel screens
- Very high mechanical and chemical resistance
- Solvent-free formulation
- Optimum resolution for fine lines and half-tones

DIRECTIONS FOR USE

Handle under yellow safelight or low wattage tungsten lights. Avoid exposure to daylight, quartz / halogen lamps, cool white fluorescent lamps or discharge lamps.

Sensitizing and Mixing

Mixing is dependent upon the coating method used.

- For top to bottom coating, mix 1000 grams of Textil CTR, 100 grams of Chrome 2 and 350 grams of demineralized water.
- For bottom to to top coating, mix 1000 grams of Textil CTR, 100 grams of Chrome 2 and 100 grams of demineralized water.

For best results, use within 48 hours from mixing.

Screen Preparation and Degreasing

Thoroughly degrease the rotary screen prior to use with SaatiChem Direct Prep 5. Dry the rotary screen and store in a dust free, dry environment prior to coating.

Coating

Use with rotary screen coating equipment. For top to bottom method, using a single squeegee machine, we recommend a coating speed of 10cm/min to obtain an uniform deposit of emulsion on the screen from the top to the bottom. Apply only one coat. For bottom to top method by hand or machine, apply one coat and dry at 104° F (40°C). If you require a thicker stencil, apply to more coats and dry at 104° F (40°C).

Drying and Storage

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

Engraving

For laser engraving, we recommend to expose the rotary screen to an UV lamp source before polymerization. Polymerize the screen and laser engrave it. For photo engraving, the exposure time depends on the light source and the mesh count. For example, expose a 125 mesh count coated top to bottom using a single squeegee for 6 minutes with blue fluorescent tubes or for 8 minutes using a 6 KW lamp. When different coating methods are used, you must adjust exposure times depending on the emulsion thickness.

Developing

Soak the engraved screen in a tank of water for 5 to 10 minutes or use an automatic washing machine. In either case, ensure a thorough final rinse.

Reclaiming

Before polymerization, you may remove Textil CTR using SaatiChem Remove 1, 2, 4, 5.

Polymerizing

Place the screen in oven at 356°-374° F (180°-190° C) for one hour, when the temperature is reached.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

PROBLEM SOLVING

Poor coating quality

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

Penetration on the inside surface of the screen

- Do not dilute emulsion with more than 35% of water

To receive the Material Safety Data Sheet (MSDS), please send an e-mail to: MSDS@saatichem.com
To get more information about SaatiPrint and SaatiChem please visit our official Web Site: www.saati.com
To buy emulsions on-line (USA only) please visit our dedicated Web Site: www.emulsionstore.com

Products manufactured in Italy, USA and China
Italy: Ph.: +39.031.9711 - e-Mail: info.IT@saatichem.com
USA: Ph.: 1.877.296.7697 (Toll-free US & Canada) or Ph.: +1.847.296.7697 - e-Mail: info.US@saatichem.com
China: Ph.: +86.21.58999113 or Ph.: +86.21.58349020 - e-Mail: info.CN@saatichem.com

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Poor details 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

STORAGE

When sealed in the original container and stored in cool conditions, SaatiChem products will maintain their original properties for one year from the date of production.

PACKAGING

Available in five kilogram containers.

WARRANTY AND LIMITED REMEDY

The directions, recommendations, and specifications contained in this Technical Data Sheet are meant as a guide to 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 expressed or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose:

All SaatiChem manufactured liquid products are warranted to be free of defects in materials and manufacture and to meet the specifications stated in SaatiChem's applicable Product Bulletin. SaatiChem will replace or refund the price of any SaatiChem manufactured liquid product that does not meet this warranty within the applicable warranty period.

The remedies are exclusive. In no case shall SaatiChem 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, nk, substrate, finished graphic or any other item.

To receive the Material Safety Data Sheet (MSDS), please send an e-mail to: MSDS@saatichem.com
To get more information about SaatiPrint and SaatiChem please visit our official Web Site: www.saati.com
To buy emulsions on-line (USA only) please visit our dedicated Web Site: www.emulsionstore.com

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