



SaatiFlash CTS 15

GENERAL CHARACTERISTICS

- SaatiFlash CTS 15 film features a blue photopolymer emulsion.
- Can be applied as a capillary film or mounted by lamination with SaatiChem Grafic PES.
- Designed for optimum results with UV-cured inks, especially for 4-color process printing.
- Fast exposure time.
- Easy to reclaim.
- Non-hazardous and biodegradable.
- Available in several sheet sizes suitable for all CD frames.

DIRECTIONS FOR USE

FILM STORAGE

Opened and unopened sheets of film should be stored at temperatures of less than 30°C.

HANDLING THE FILM

The film should be handled under low wattage tungsten or yellow fluorescent lighting. Unused film should be stored in the provided packaging. Avoid kinking the film as this could affect adhesion to the mesh. The film should be handled wearing light cotton or lint-free gloves to avoid contact with the emulsion surface. Avoid contacting the film surface with moisture.

MESH PREPARATION AND DEGREASING

Thoroughly degrease mesh prior to use. We recommend a combined degreaser/fabric treatment/wetting agent such as SaatiChem Direct Prep 2. New mesh should be degreased and abraded with SaatiChem Direct Prep 1 in order to optimize stencil adhesion. After drying, screens should be stored in a dust free, dry environment prior to coating.

ADHERING TO THE MESH

Several methods can be employed to adhere SaatiFlash CTS 15 film.

Capillary Film Method

Remove all dust from the film and roll-up with emulsion side out. Spray the mesh with water and wipe the excess water from the perimeter of the frame. Contact the leading edge of the film onto the top of the wet vertical screen mesh and roll the film down. Allow the wet screen's capillary action to adhere the film to the mesh. Remove excess water from the inside of the screen with a lightweight window squeegee. Wipe excess water from the perimeter of the frame with an absorbent cloth then proceed to drying.

Alternatively, place the film emulsion side up on a flat raised surface. Place substrate side of screen onto film. Spray a light mist of water onto the screen to adhere the film. Remove excess water from the inside of the screen with a lightweight window squeegee and then proceed to drying.

Direct/Indirect Method

Place the film emulsion side up on a flat raised surface. Place substrate side of screen onto film. Apply a bead of SaatiChem Grafic PES to the top edge of the film. Squeegee the emulsion several times until film is completely adhered to mesh.

Backing with Emulsion Method

Mount the film to the mesh using the Capillary Film Method and allow to dry. Apply two coats of SaatiChem Grafic PES on the squeegee side of the screen and proceed to the screen-drying step.

DRYING THE SCREEN

The screen can be dried with cold or warm air, maximum 100°F (40° C). Thorough drying is essential for optimum results. When the support has been peeled off continue drying for a few minutes to ensure the film is completely dry. Drying can be done in darkness or in yellow light conditions.

STORAGE OF SCREENS

After applying the film to the screen and drying, the screens can be kept in a dark place for up to three months before exposure, provided that reasonable temperature and humidity conditions are maintained. If storage of screens is anticipated, it is recommended that the backing sheet not be removed until screen is ready to be exposed.

EXPOSURE

Ensure that film surface is free of dust before the image is exposed onto the screen with the SaatiPrint CD IMAGER.

WASHOUT AND DEVELOPMENT

Wet both sides of screen with a strong, finely divided spray of water and continue washing out from substrate side until all image areas are fully open. Rinse both sides of screen and dry thoroughly before use. A properly exposed and developed screen should not exhibit scumming or feel slimy on the squeegee side. The use of warm water will decrease washout time.

POST EXPOSURE

Post-exposing a developed and dried screen with daylight or exposure lamp is recommended to produce a water-resistant stencil.

SAATICHEMTM

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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RECLAMATION

Remove all ink residues immediately after printing with SaatiChem Remove IR1. Remove stencil with SaatiChem Remove ER1, ER2, ER4, ER5, or ER10 and a pressure washer. For stains and ghost images, use SaatiChem Remove HR2 or HR3 followed by a pressure washer.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets. Although no adverse effects are to be expected from handling the film, the wearing of rubber gloves is advised as good industrial hygiene. Should skin contact occur, wash thoroughly with soap and water. Should eye contact occur, flush liberally with water for 15 minutes and seek medical attention immediately.

PROBLEM SOLVING

Poor coating quality

- Properly clean, degrease, and rinse screen to remove all residue and trace of chemicals.
- Properly and evenly tension fabric.

Poor detail or difficulty washing out image

- Ensure film and coated screens are handled in safelight conditions only.
- Do not store film or coated screens at high temperatures.
- Ensure correct exposure

Film falls off, extreme pin-holing or severe stencil breakdown during printing

Ensure that damp screens are not being exposed.

- Only expose screens with an even and consistent coating thickness.
- Ensure that stencil has not been severely underexposed.

Difficulty reclaiming screens

- Optimize exposure time and properly rinse squeegee side of screen during developing to remove all trace of slime, especially when using dyed fabric.

PACKAGING AND STORAGE

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

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, ink, 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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