

SAATI



**PRINTING
DIVISION**

COMPLETE SCREEN PRINTING PRODUCTS GUIDE VOL. 6

PRINTING

Company _____
Your Name _____
Telephone _____
Fax _____
Email _____
Saati Salesperson _____
Accounting Contact, If Different From Above _____
Telephone _____
Fax _____
Email _____

Billing Address _____

Shipping Address Same as Billing, OR

Terms Applied For: Net 30 COD Credit Card Incorporated: Yes No
Dun & Bradstreet: Listed? Yes No Rated? Yes No Rating: _____

BANK REFERENCE

Bank: _____
Address: _____

Telephone #: _____
Fax #: _____
Account #: _____
Contact: _____

CREDIT CARD

AMEX Master Card Visa
Cardholder's Name: _____
Card #: _____
Expiration Date: _____
Authorized Signature: _____

CREDIT REFERENCE 1

Company: _____
Address: _____

Telephone #: _____
Fax #: _____
Account #: _____
Contact: _____

CREDIT REFERENCE 2

Company: _____
Address: _____

Telephone #: _____
Fax #: _____
Account #: _____
Contact: _____

* required field

— SAAATI



**PRINTING
DIVISION**

A solid blue octagonal shape with slightly beveled corners, serving as a background for the text.

**THE
COMPLETE
SCREENPRINTING
PRODUCTS
GUIDE
VOL. 6**



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JUMP START YOUR EVOLUTION WITH SAATI PRODUCTS

MESH

**FRAMES ■ STRETCHING
ADHESIVES**

PRETREATMENTS

EMULSION ■ FILM

COATING ■ DRYING

EXPOSURE ■ QC DEVICES

BLOCKOUT ■ TAPE

INK ■ SQUEEGEE

RECLAIMING ■ WASHOUT



80 YEARS OF SAATI



80 years of history, how much is it worth? Three generations of entrepreneurs have committed to the success and continuity of a small Italian company, can we put a value on it?

In 1935, when Italo Ogliaro invested some money in a small weaving company in Appiano Gentile, he surely wouldn't have imagined such a successful future and consistent growth of that investment in Italy and around the world. Nor would he have imagined that one day the company would operate factories in China and USA, in Germany, France and Korea; but most of all he would never have thought that the official language of the company would be English, as it is today.

There was not a big change in company philosophy, when he appointed his son-in-law, Carlo Novarese, a major in Italian Literature, at that time, a young Headmaster and play writer, to become the main "actor" of Saati success. He sent him to travel the World, to search for an International direction for the company and thus establishing the the international spirit of the company.

Since then the international imprint stayed the same and the expansion over international markets soon became the leading strategy of the company. As the leading competitor versus the industry leaders, Swiss, German and Japanese companies, Saati was carving its niche in the growing market of precision woven industrial fabrics.

Saati's ability to understand the needs of customers already familiar with the best quality and service, was the most important achievement in the first years of its existence. Technical innovation, coupled with a strong willingness to experiment with new technical solutions, greatly contributed to Saati's growth in the 1960s and 1970s. New nylon fibers imported from USA and mechanical looms used by Saati for the first time in the industry, testify to the great technical knowledge and successful entrepreneurial vision of the company. That same vision can be seen in the fact that SAATI was the first company in Europe to introduce the aramid fibers for soft armouring purposes, which was soon followed by the weaving and impregnating activity on carbon fibers.

Carlo Novarese's entrepreneurial legacy was very dynamic and testifies to a unique vision for Saati and a forward-thinking, open-mindedness towards innovation. All the ingredients were there for the long lasting success of the company but needed a bit of structuring and organization.

In 1998, destiny provided the opportunity and privilege for his son, Alberto, to inherit the reigns of managing the company which was very strong and dynamic, though still a "family style" business. His Bachelor Degree in Business Administration, together with his frequent trips abroad, allowed Alberto to follow in his father Carlo's footsteps. His early involvement in the Company, beginning when he was very young allowed Alberto to give reinforcement to Saati's core principles

of growth, innovation and internationalization, while creating a structure which aligned Saati with much larger and more mature companies.

Saati's growth continued despite the business fluctuations of the 2000s, when new lines of business were added to the original ones, i.e. Screen printing and Filtration. Production facilities were added in the areas of the world where the economy was growing, such as China, India and South Korea. New Distribution companies were created and globalization became the leading factor of today's expansion of Saati.

Today, there are 850 Saati employees all over the world, the majority of which are outside Italy, go to work every day eager to contribute to the lives and benefits of our customers and the people they serve, thanks to Saati products.

Every single day young and old people use products somehow connected with Saati, and we are very proud to be part of the global community by providing products that support a beneficial life and growth.

Every single day some 850 people of different nationality, culture and diversity meet in Saati factories and offices to prove to themselves and to the world that teamwork, together with personal responsibility, is the key factor of growth; economic growth, social growth but most important personal growth.

Every single day some 850 people, united by this common dream, think they, along with Saati, can make the world a better place.

**SO LET'S CELEBRATE TOGETHER:
80 YEARS OF DREAMS BECOMING REALITY!**

And thank you very much to those who still dream with us.



SAATI is a global organization with locations in Italy, Canada, France, Germany, Spain, China, and the USA.

SAATI Chemicals is the division of SAATI that formulates and produces photo-sensitive emulsions and auxiliary chemical products used in preparation for screen-printing. Saati fabrics, when combined with SAATI Chemicals products, ensure the production of a stencil with superior durability, capable of consistent reproduction of fine detail in any screen-printing application.

We are proud to provide you with a complete turnkey screen production package or specialized products for upgrading your present operation to reduce your costs, all backed by our friendly and efficient customer service. Factor this with more than 100 years of combined industry service, including manufacturing innovations and the most extensive technical support available, it's easy to see why so many screen printers put their trust in Saati. It's no accident that the majority of our new business comes from referrals by satisfied customers.

SAATI is an OSHA-compliant, ISO-9001 certified supplier, so we keep you well-informed with up-to-date Material Safety Data Sheets (MSDS sheets are shipped routinely with every shipment of any products containing hazardous ingredients.) In addition SAATI has a dedicated Regulatory Affairs Coordinator.

CUSTOMER SERVICE

Place your order by :
E-mail: info.US@saati.com
East Coast Phone:
800.431.2200 • 864.601.8300
Fax: 800.829.9939 • 864.862.0089
West Coast Phone:
800.992.3676 • 310.523.3676
Fax: 310.523.3610

CANADA

Phone: 800.567.0086
Fax: 905.564.5391

They'll help you when:

- Opening an account
- Placing an order
- Inquiring about a shipment
- Arranging for a return

For fast and efficient handling of your call, please provide the receptionist with your company name and location. Your call will immediately be dispatched to your area's service specialist.

TO OPEN AN ACCOUNT

You may fax or mail the short-form application supplied in the front of this catalog, or call our toll-free number to speak directly to a customer service specialist. You can establish credit and open an account (30-day terms) usually on the same day we receive your first order. Just furnish us verbally with a bank reference and two commercial references (or a favorable Dun & Bradstreet® rating).

We accept major credit cards.

24 HOUR ORDER HANDLING

You can reach us twenty-four hours a day, seven days a week in several ways. Our automatic answering machine accepts your calls before 8 a.m. and after 5 p.m. (EST). You may leave your order, or your name and telephone number, and we will return your call promptly at the start of the next business day.

You may also transmit correspondence, such as purchase orders, via one of our fax numbers or e-mail to: info.US@saati.com.

ENVIRONMENTAL/ REGULATORY QUESTIONS

Call 800.431.2200 or 864.601.8710 and ask for our Regulatory Affairs Coordinator.

DELIVERY

Our standard 90-day inventory of mesh and supplies means we keep you in business. 95% of our orders are normally shipped the same day. When you're in a super rush, overnight or second-day deliveries are available nationwide.

SAME DAY SHIPPING

Call your order in before 2:00PM and have it shipped the same day

BRANCH OFFICES

There are SAATI branch offices located throughout the U.S. and Canada, as listed on the back cover.

TECHNICAL SERVICE + TRAINING

Call 800.431.2200 or 864.601.8300 for:

- Technical assistance
- Problem solving
- An appointment to visit our technical center or our prototype screenmaking department for training

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SAATI PRINTING MESH WEAVING

SAATI utilizes the most advanced looms in the world. Innovative in-house customization has resulted in weaving advancements that surpass our competition.



SAATI's numerous types of finishing techniques and capabilities allow for advance mesh surface treatments that enhance stencil performance and mesh tension characteristics.

SAATI CHEMICALS MANUFACTURING FACILITIES



SAATI Chemicals, the Chemical Division of Saati, formulates and manufactures a broad range of screen making and reclaiming chemicals. Saatichem combines thirty plus years of manufacturing experience with six decades of service to the screen printing industry.

SAATI Chemicals manufactures in state-of-the-art facilities in South Carolina, in Appiano Gentile, Italy and in Tianjin, China. Each product is backed by world-class R&D and is manufactured to the most exacting industry requirements in facilities accredited to ISO standards.

Innovative SAATI Chemicals products always give you something beyond the conventional and we manufacture highly specialized, industry segmented products with unsurpassed performance for the most demanding applications.

SAATI Chemicals offers dual-cure emulsions for making low friction stencils with improved printing properties. Our photopolymer emulsions are versatile and extremely durable and our unique triple-cure technology allows production of permanent waterproof stencils. We manufacture the most complete range of computer-to-screen emulsions and have enabled

digital exposure technology to successfully enter demanding market segments by offering full control over imaging speed, resistance and image quality.

Our wide range of screen reclaiming chemicals offer industry leading performance for ink, stencil, and ghost image removal. They preserve both screen fabric and the environment while increasing productivity and are suitable for manual or automatic screen cleaning.

SAATI Chemicals is driven and committed to giving customers both superior products and superior service. If you have questions about the performance of a SAATI Chemicals product, you can call SAATI Chemicals toll free at 1-800-431-2200 to speak with one of our chemists.



Our Fountain Inn manufacturing facility features a state-of-the-art prototype screen-making department and a research and development laboratory for specialized applications of our emulsions and screen chemical products.





SAATILENE MESH



RESEARCH AND DEVELOPMENT

Saati's expert in-house technical capabilities allow us to tailor-make special fabrics for custom applications. Whether it's a question of width, color or special properties, we are dedicated to finding solutions to the industry's needs. Our continuous research and manufacturing refinements keep you in pace with the newest technology in UV, fine line and four-color halftone printing.

Saati pioneered the weaving of screen mesh on shuttleless looms, setting new standards for the industry. Saati also developed the first orange dyed mesh for sharper resolution.

Saati is constantly looking ahead. The Research & Development unit represents the heart of Saati, as we strive to anticipate future needs and market demands.



SAATI ISO 9001 CERTIFICATION

Documented quality and statistical process controls are very important to your customers, therefore your choice of supplier is critical. Proving your screen mesh has the highest certification may mean the difference between winning and losing a coveted contract; whether it's for a government job, an electronics application, or for any company that insists on quality assurance.

It is no surprise that Saati, with our generations of weaving expertise, has attained documented ISO 9001 status.

ISO 9001 certification is an international standard that assures a consistent quality product. Our Saati mesh accreditation includes our entire manufacturing process and production capacity. Every roll you receive is manufactured with ISO 9001 standards.

Whatever your application, there's a reliable Saati mesh to meet your needs. With Saati mesh, you'll improve your print quality and save money. Its excellent dimensional stability improves your registration, while its uniform mesh openings and fabric thickness produce controlled ink deposits. Saati ultra-orange and ultra-yellow dyed fabrics assure you optimum resolution. Plus their durability means your screen endures longer runs and numerous reclaimings.

Saati distributes high-precision woven mesh fabrics developed from synthetic raw materials such as polyester and polyamide (nylon), with specialty finishes to optimize performance. Our fabrics meet the needs for such diverse market segments as graphics, textile, ceramic, electronics, glass, containers and optical disc.

Saati is the largest single producer of ISO 9001-certified synthetic screen fabrics worldwide, you are assured of all the benefits when making your decision to purchase Saati Mesh. Our technical support is unrivaled.

SAME DAY DELIVERY FROM STOCK

- Mesh counts from 17-460, subject to availability
- Fabric colors: orange, yellow and white
- Widths from 40" thru 145"
- Multiple thread diameters, PW and TW
- Lab facilities available for training, testing, R & D





FABRIC THICKNESS

Fabric thickness results from the combination of the number of threads, the thread diameter and the woven structure of the fabric. Major changes in fabric thickness result mostly from changes in thread diameter. Since it is not obvious that a thicker or thinner fabric will give a higher or lower ink deposit (a thicker mesh may have a lower relative open area) one less frequently considers this factor when selecting a mesh count. However the total fabric thickness is needed to calculate the theoretical ink volume of a mesh. The fabric measurement is obtained in an unstretched state.

PERCENTAGE OF OPEN AREA

Figures for the percentage of open area have been provided to use as a guide in comparing one Saati mesh to another. Please be aware that when comparing different manufacturers' published percentage of open area data, figures will vary due to several factors.

The most important difference is whether the manufacturer used nominal (before weaving) or real (after weaving) data in calculating the published figures. The interpretation of the conversion of the data from metric to English can also contribute to differences. For practical application, we advise you call 800.431.2200 and speak to one of our technical representatives.

THEORETICAL INK DEPOSIT

As a reminder, the T.I.D. specification is theoretical. It is to be used as the basis for comparison to other mesh counts' theoretical ink volumes.

There are many other factors influencing ink deposit. For example, screen tension, substrate absorption, ink type, stencil thickness, squeegee variables, etc. One of our technical representatives can help you narrow down the mesh choices for testing, but actual print and measurement testing needs to be completed to obtain the actual ink deposit for each individual shop. (A given mesh count may work well with one shop's variables and have a different result in another shop.)

RECOMMENDED TENSION LEVELS

The lower end of the tensioning range can be achieved with most stretching systems, providing provisions have been made to eliminate high stress points. The higher tensions should be used by experienced screen-makers utilizing state-of-the-art stretching systems and procedures.

The mesh specifications provided are average values measured on piece goods (in a relaxed state) manufactured with yarns of perfect nominal diameter (cfr. international standards) under normal hygrometric conditions (20°C = 68°F, 65% relative humidity). They are subject to normal variations of $\pm 3\%$ on thread counts when conditions vary from those stated.



QUALITY CONTROL INSPECTION LABEL

Saati individually inspects every roll of mesh and attaches a Quality Control Inspection Label with the roll's characteristics and a traceable barcode. Measurements are taken with each roll and not just per batch. State-of-the-art automated measuring equipment is employed for consistent and accurate results. Saati holds itself to the highest standards by measuring their performance and giving you the actual measurement data.

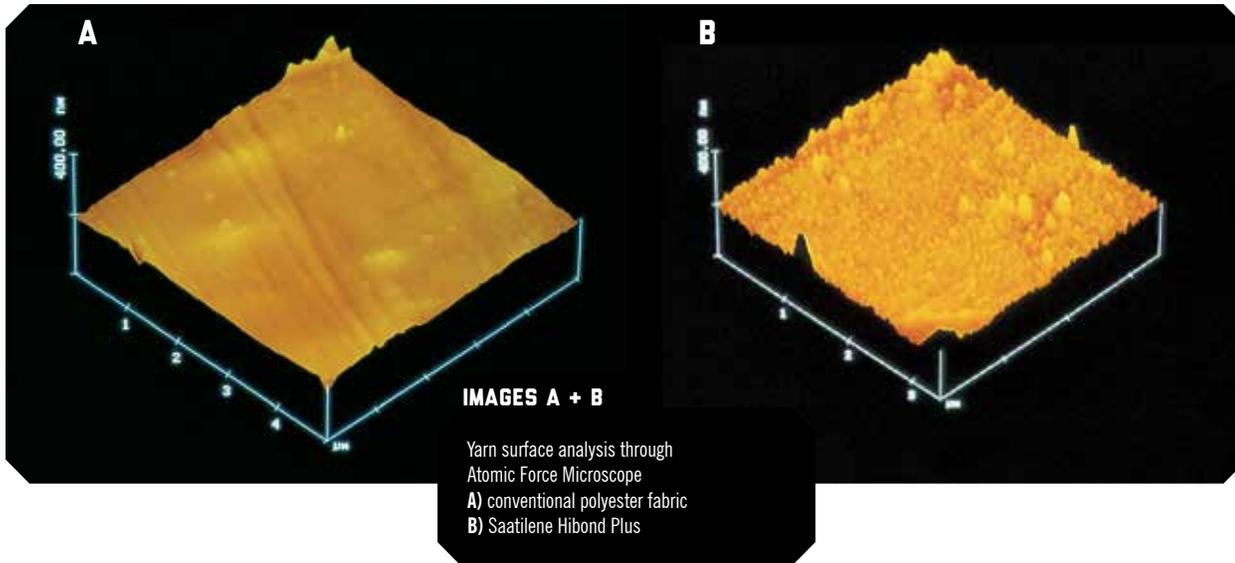
| | | | |
|--|---|----------------------|------------|
| | 000000002 | 00995 | 22.03.2010 |
| | SAATI AMERICAS CORP. | | |
| | POLYESTER 100% | | |
| | Mesh Nr. / Tipo | | |
| | SAATILENE HIBONDPlus 62/158.64 PW UY3HBP | | |
| | Width / Altezza / Inch 87,60 | | |
| | YARD | | |
| | Roll / Pezzo Nr. 55,12 | | |
| | 10106821/5/06 | | |
| | 15 | MADE IN ITALY | |

4001078217



SAATILENE® HI-R® ATMOSPHERIC PLASMA SURFACE-MODIFIED MESH

Premium quality high-tension, low-elongation mesh with the value-added benefit of surface modification



Saatilene HI-R is a high-modulus, low-elongation monofilament polyester screen printing fabric with a proprietary surface treatment ideal for all traditional applications.

THE ATMOSPHERIC PLASMA PROCESS:

It is a plasma technology that is highly innovative in the field of textiles surface treatments. It is based on a DBD electric discharge (Dielectric Barrier Discharge) where an electrical discharge between two electrodes ionizes the air surrounding the electrodes. This process modifies the fabric surface at a nano scale.

KEY PRODUCT CHARACTERISTICS:

- High tension, low elongation, optimally performing monofilament polyester
- Superior stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics
- Shorter exposure times, due to increased stencil adhesion
- Holds finer detail with no compromise in stencil durability (halftones, fine lines etc.)
- Most cases, no degreasing pretreatment required prior to stencil processing

BENEFITS OF SURFACE TREATMENT

- Improved adhesion characteristics of small halftone dots and fine lines
- Even and consistent surface characteristics, enhanced for extreme durability
- Excellent ink release properties
- Ready-to-use, the degreasing process can be eliminated

OTHER ADVANTAGES:

- Applied to fabrics in widths up to 120"
- Safe under exposure with all emulsion/film types: Diazo, Dual Cure, and Photopolymer
- Excellent for use with abrasive printing conditions, inks and pastes
- Excellent performance on virgin fabric

SAATILENE MESH



SAATILENE HI-R MESH SPECIFICATIONS

| MESH COUNT | | TYPE OF WEAVE* | THREAD DIAMETER | MESH OPENING | OVERALL FABRIC THICKNESS | | PERCENTAGE OF OPEN AREA | THEORETICAL INK DEPOSIT | | MAXIMUM RECOM MENDED TENSION | SPECIFIC CROSS SECTION* |
|------------|--------|----------------|-----------------|--------------|--------------------------|---------|-------------------------|-------------------------|---------------------------------|------------------------------|-------------------------|
| per inch | per cm | | | | inches | microns | | % | cm ³ /m ² | | |
| 86 | 34 | PW | 100 | 185 | 0.0068 | 173 | 41 | 71 | 3.64 | 35-40 | 0.267 |
| 110 | 43 | PW | 80 | 150 | 0.0052 | 132 | 43 | 57 | 2.88 | 35-37 | 0.216 |
| 125 | 49 | PW | 70 | 130 | 0.0045 | 116 | 40 | 46 | 2.28 | 30-34 | 0.188 |
| 140 | 55 | PW | 64 | 120 | 0.0041 | 105 | 41 | 43 | 2.20 | 26-31 | 0.176 |
| 158 | 62 | PW | 64 | 90 | 0.0041 | 106 | 32 | 34 | 1.66 | 30-34 | 0.199 |
| 180 | 71 | PW | 55 | 80 | 0.0036 | 91 | 33 | 30 | 1.53 | 25-30 | 0.168 |
| 196 | 77 | PW | 48 | 78 | 0.0031 | 80 | 36 | 29 | 1.48 | 24-26 | 0.139 |
| 196 | 77 | PW | 55 | 70 | 0.0035 | 90 | 28 | 25 | 1.28 | 27-32 | 0.182 |
| 230 | 90 | PW | 40 | 68 | 0.0024 | 62 | 38 | 24 | 1.23 | 20-24 | 0.113 |
| 230 | 90 | PW | 48 | 55 | 0.0032 | 81 | 27 | 22 | 1.08 | 27-29 | 0.162 |
| 255 | 100 | PW | 40 | 55 | 0.0025 | 64 | 31 | 20 | 1.02 | 26-28 | 0.125 |
| 255 | 100 | PW | 48 | 40 | 0.0032 | 81 | 16 | 13 | 0.66 | 30-34 | 0.181 |
| 280 | 110 | PW | 34 | 53 | 0.0022 | 56 | 35 | 20 | 1.02 | 22-24 | 0.099 |
| 280 | 110 | PW | 40 | 47 | 0.0027 | 69 | 26 | 18 | 0.92 | 25-30 | 0.138 |
| 305 | 120 | PW | 31 | 53 | 0.0019 | 48 | 40 | 19 | 0.97 | 21-24 | 0.090 |
| 305 | 120 | PW | 34 | 45 | 0.0021 | 54 | 29 | 16 | 0.82 | 24-26 | 0.108 |
| 305 | 120 | PW | 40 | 38 | 0.0026 | 67 | 20 | 13 | 0.66 | 27-32 | 0.150 |
| 330 | 130 | PW | 34 | 39 | 0.0021 | 55 | 26 | 14 | 0.71 | 24-27 | 0.118 |
| 355 | 140 | PW | 31 | 38 | 0.0019 | 48 | 28 | 13 | 0.66 | 20-22 | 0.105 |
| 355 | 140 | PW | 34 | 29 | 0.0022 | 56 | 16 | 9 | 0.46 | 23-26 | 0.127 |
| 355 | 140 | TW | 34 | 32 | 0.0024 | 60 | 20 | 12 | 0.61 | 23-26 | 0.127 |
| 380 | 150 | PW | 31 | 29 | 0.0019 | 49 | 20 | 10 | 0.51 | 22-24 | 0.113 |
| 380 | 150 | PW | 34 | 25 | 0.0022 | 56 | 13 | 7 | 0.35 | 25-27 | 0.136 |
| 420 | 150 | TW | 34 | 28 | 0.0023 | 61 | 17 | 10 | 0.51 | 25-27 | 0.136 |
| 420 | 165 | PW | 27 | 30 | 0.0018 | 46 | 25 | 12 | 0.61 | 17-21 | 0.094 |
| 420 | 165 | PW | 31 | 25 | 0.0019 | 49 | 17 | 8 | 0.41 | 24-26 | 0.125 |
| 460 | 180 | PW | 27 | 25 | 0.0017 | 43 | 20 | 8 | 0.41 | 18-22 | 0.103 |

**ALL MESH COUNTS, COLORS, AND WIDTHS ARE SUBJECT TO AVAILABILITY.
 NYLON SPECIFICATIONS FOR UNIQUE APPLICATIONS ARE AVAILABLE UPON REQUEST.
 CALL 1-800-431-2200 AND SPEAK TO TECHNICAL SERVICE FOR AVAILABILITY**



SAATILENE® HILO® EXTREME LOW ELONGATION MESH

Premium quality high-tension, low-elongation mesh with the value-added benefit of surface modification

Saatilene HiLo is a super high modulus monofilament polyester mesh. It was developed specially for tight tolerance printing to fabricate high tech products, including touch screen panels, solar cells, and membrane switches.

Saati uses a special fiber whose polymeric structure gives extraordinary physical & mechanical properties to the product:

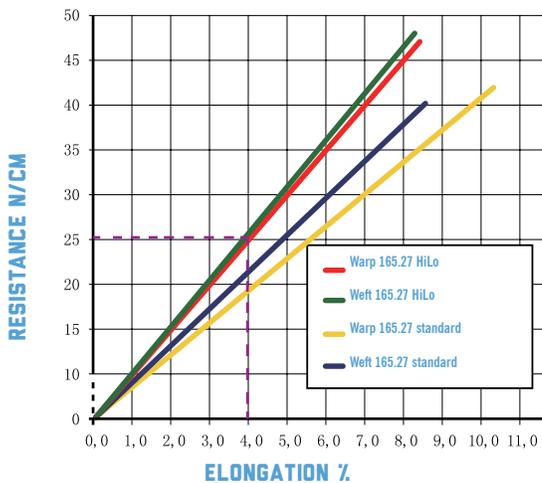
Higher dimensional stability

1. Extremely low mesh relaxation
2. Plasma-activated surface for enhanced stencil adhesion

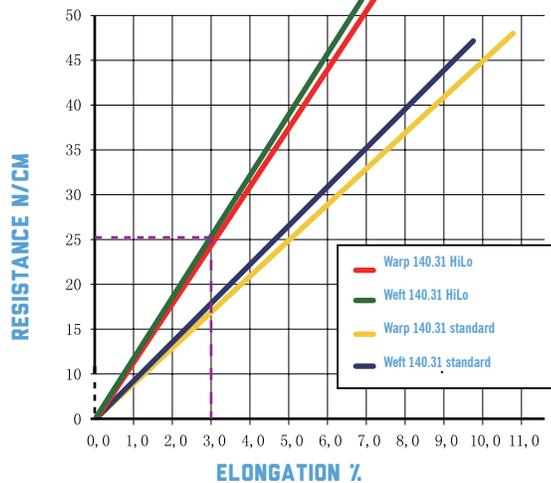
KEY PRODUCT CHARACTERISTICS:

- Top Print Quality
- Less tension loss during the print run
- Consistent performance during printing results in process reliability improvements
- Finer line Resolution
- Improved Ink Flow
- Superior Stencil Adhesion: less stencil breakdown and printing life far longer than conventionally treated fabrics

HILO 165.27



HILO 140.31

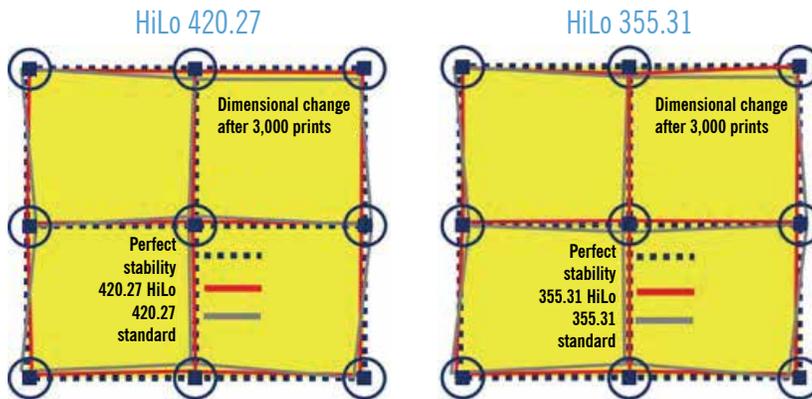


The HiLo Warp & Weft overlapping is almost perfect. At 25N tension level the HiLo 140.31 Elongation Percentage is around 3%, whereas the 165.27 is around 4%.



SAATILENE® HI-LO® EXTREME LOW ELONGATION MESH

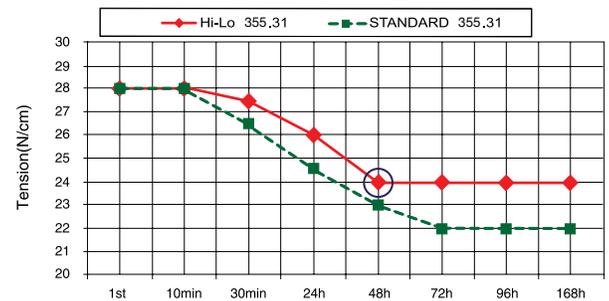
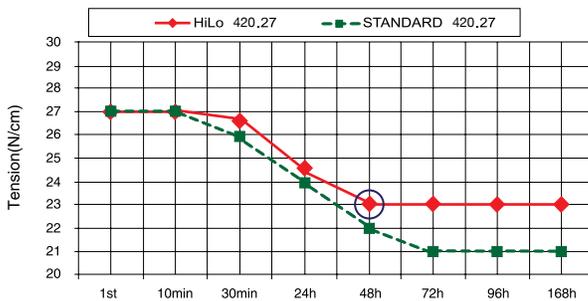
DIMENSIONAL STABILITY



Extremely low mesh relaxation guarantees:

- Low tension loss after stretching
- Mesh ready to use in less time, as it can be brought to required tension quicker
- Printing quality consistency and improved ink flow during all production run

TENSION LOSS



AVAILABILITY OF SAATILENE HILO MESH

| MESH COUNT (IN) | THREAD DIAMETER (UM) | WEAVE | MESH OPENING | OPEN AREA | THICKNESS | THEORETICAL INK VOLUME CM3/M2 |
|-----------------|----------------------|-------|--------------|-----------|-----------|-------------------------------|
| 420 | 27 | pw | 29 | 23 | 42 | 9.6 |
| 380 | 31 | pw | 30 | 21 | 43 | 8.7 |
| 355 | 31 | pw | 35 | 25 | 45 | 10.8 |
| 305 | 34 | pw | 43 | 26 | 53 | 14.1 |



SAATILENE® HIBOND PLUS®

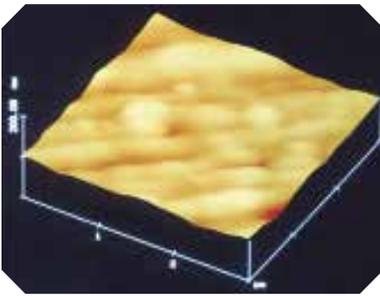
Premium quality high-tension, low-elongation mesh with the value-added benefit of surface modification

Saatilene Hibond Plus is a high tension/low elongation polyester monofilament screen-printing fabric with a "vacuum gas" modified surface to enhance stencil performance, offering added bonuses to the stencil maker and printer alike: time savings and stencil durability.

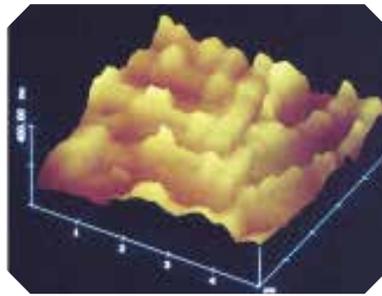
While all screen fabrics imperatively require a thorough mesh treatment before stencil processing, Saatilene Hibond Plus is delivered ready-to-use.

Available in widths up to 100", its special factory finishing renders the use of adhesion promoters obsolete and in some cases reduces ghost imaging.

Apart from the production time savings, it will extend the life of stencils from single to triple, or more. This is a unique feature especially beneficial when printing conditions are unusually harsh, either due to the nature of the substrate or the ink system.



Microsection of fabric surface
(AFM microphoto from conventional fabric)



Microsection of fabric surface
(AFM microphoto from Saatilene HiBond Plus)

SAATILENE HIBOND PLUS FOR FINE DETAIL PRINTING

While underexposure is detrimental to the chemical and mechanical resistance of the stencil, there are circumstances where it is unavoidable in order to resolve the finest details of a stencil. A typical example is in the production of high line count halftones and the resolution of the highlight dots.

Saatilene Hibond Plus will allow for safe underexposure making it possible to cope with up to a 50% time reduction without loss of stencil adhesion with dual cure photo-emulsion and capillary stencil films.

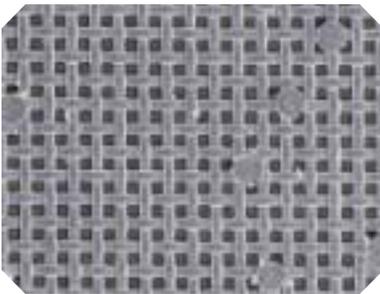
RECOMMENDATIONS FOR THE HANDLING OF SAATILENE HIBOND PLUS

PREPARING FOR TENSIONING AND SCREEN STORAGE

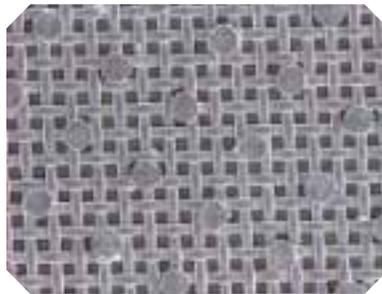
Since Saatilene Hibond Plus is supplied ready to use, the user is expected to handle the product with clean hands, making sure that it does not come in contact with contaminated surfaces. Potential areas for grease contaminants include tensioning devices.

NOT ALL TREATMENTS ARE THE SAME!

Saati's Vacuum Gas plasma treatment is a deeper and permanent surface treatment. Other competitors "chemically" treat their fabrics. These treatments wash off after one use and are ineffective for the life of the screen. The degree of surface modification of Hi-Format could not happen by any other method.



Conventional mesh halftone area with halftone dots missing



Saatilene HiBond Plus halftone area with no stencil loss



Saatilene HiBond Plus Machine

INCREASED PRINTING PRODUCTIVITY + COST SAVINGS

- The ultimate degree of increased stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics.
- Shorter exposure times due to increased stencil adhesion (halftones, fine lines etc.)
- Most cases, no degreasing pretreatment required prior to stencil processing.
- What remains is a NANO-etched surface with a greater # of hydroxyl groups that results in the absolute ultimate in surface bonding.

STENCIL PROCESSING TIME CHART

| <i>ACTION</i> | <i>TRADITIONAL FABRIC TIME (MINUTES)</i> | <i>SAATILENE HIBOND PLUS TIME (MINUTES)</i> |
|--------------------------|--|---|
| <i>WETTING OF FABRIC</i> | 0.5 | 0.0 |
| <i>ROUGHENING</i> | 5.0 | 0.0 |
| <i>RINSING</i> | 0.5 | 0.0 |
| <i>DRYING</i> | 10.0 | 0.0 |
| <i>WETTING (FILM)</i> | (0.5) | (0.5) |
| <i>SCREEN COATING</i> | 5.0 | 5.0 |
| <i>DRYING</i> | 20.0 | 20.0 |
| <i>TOTAL TIME</i> | 41.0 | 25.0 (40% LESS) |

NOTE: Designate an easy access area for storing, unrolling and cutting the piece of fabric necessary for screen stretching. The work surface should be as smooth and clean as possible. If screens are processed in an area where dust is inevitable, the screen surface can simply be washed with a spray of cold water to remove any dust particles that may have adhered to it.



SAATILENE® HI-FORMAT® VACUUM PLASMA - SURFACE-MODIFIED MESH

High tensile, thinner thread for high demand oversize printing

Saatilene Hi-Format mesh addresses traditional problems associated with printing large banners and oversized substrates. Hi-Format offers a thinner yet stronger thread combined with proprietary weaving properties.

KEY PRODUCT CHARACTERISTICS:

- Excellent mechanical behavior
- Low elongation
- Optimized mesh geometry and precise mesh openings due to improved production process
- Long lasting surface modification thanks to vacuum plasma treatment

HIGH TENSILE STRENGTH THREAD

- Allows for thinner thread diameter
- Lower dot height profile reduces dot gain
- Reduces moiré in halftones
- Matches G7 targets
- Strict tolerance control
- Ink volume consistency
- Improves ink passage & deposit
- Woven to ISO 9000 standards

OTHER ADVANTAGES:

- Safer with under exposure with all emulsion types: Photopolymer, Dual-Cure, Diazo and Capillary Films
- Excellent performance on virgin fabric
- Excellent choice for long multicolor runs where stencil breakdown is so costly
- No degreasing required under normal circumstances

| MESH COUNT | THREAD DIAMETER (UM) | WEAVE | COLOR | 82-85 IN. | 91-92 IN. | 99-101 IN. |
|------------|----------------------|-------|--------------|-----------|-----------|------------|
| 355 | 33 | PW | WHITE/YELLOW | X | X | X |
| 380 | 33 | PW | WHITE/YELLOW | X | X | X |

| MESH COUNT | NOMINAL THREAD DIAMETER (UM) | MESH OPENING (UM) | OPEN AREA (%) | FABRIC THICKNESS (UM) | THEORETICAL INK VOLUME (CM ³ /CM ²) | MAXIMUM RECOMMENDED TENSION LEVEL |
|------------|------------------------------|-------------------|---------------|-----------------------|--|-----------------------------------|
| 355 | 33 | 32 | 20% | 49 | 10 | 26-28 |
| 380 | 33 | 32 | 15% | 49 | 7 | 27-30 |

The above data are average values measured on piece-good in relaxed state, manufactured with threads of a perfect nominal diameter (cfr. international standards), under normal hygrometric conditions (20°C=68°F, 65% relative humidity). They are subject to normal variations up to 7% if conditions vary from those stated above. (Call to check for availability.)



SAATILENE® HI-FORMAT® VACUUM PLASMA - SURFACE-MODIFIED MESH

ADHESION TEST (TAPE)



Without surface treatment



With surface treatment

HALFTONE PRINTING



Dot gain due to high OFT



Lower dot profile with Hi-Format

DOT PROFILE



Dot gain due to high OFT



Lower dot profile with Hi-Format



Saatilene HI-DRO is a high-modulus precision-woven low-elongation monofilament polyester screenprinting fabric with a proprietary surface treatment developed to meet the requirements of garment printing applications.

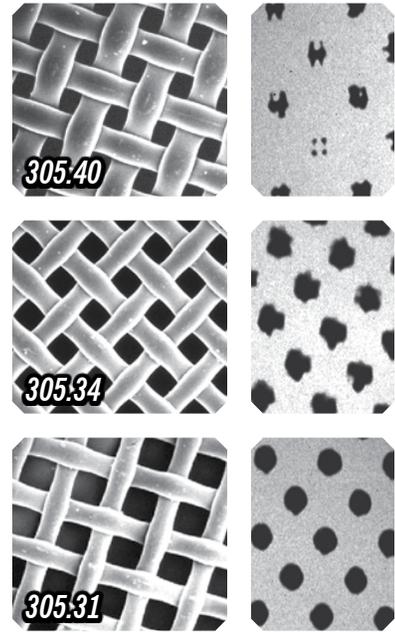
Especially designed to optimize the deposit when printing with water-based inks, this new range was constructed maintaining similar mesh count and using thinner thread diameters.

CHARACTERISTICS

- Optimized mesh geometry and precise mesh openings due to the improved production process
- Excellent antistatic property
- Long lasting surface modification thanks to plasma treatment

YOUR BENEFITS

- Better resolution due to reduced thread mass interference with fine detail
- Better printability
- Improved ink flow from larger percentage open area
- Excellent coverage on dark garments
- Less stencil cleaning work during printing
- Hi-R treatment increases adhesion of the emulsion even if underexposed which will yield longer print life of stencil
- Superior stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics
- Suitable for water-based, plastisol and conventional ink systems
- Excellent for use with abrasive printing conditions, inks and pastes



| MESH COUNT | | TYPE OF WEAVE* | THREAD DIAMETER | MESH OPENING | OVERALL FABRIC THICKNESS | PERCENTAGE OF OPEN AREA | THEORETICAL INK DEPOSIT | MAXIMUM RECOMMENDED TENSION | SPECIFIC CROSS SECTION* |
|------------|--------|----------------|-----------------|--------------|--------------------------|-------------------------|---------------------------------|-----------------------------|-------------------------|
| PER INCH | PER CM | | MICRONS | MICRONS | MICRONS | % | CM ³ /M ² | N/CM | MM ² /CM |
| 81 | 32 | PW | 70 | 245 | 110 | 61 | 67.1 | 24-26 | 0.123 |
| 110 | 43 | PW | 64 | 170 | 100 | 53 | 53.0 | 27-30 | 0.138 |
| 122 | 48 | PW | 55 | 153 | 90 | 55 | 49.5 | 24-26 | 0.114 |
| 163 | 64 | PW | 48 | 107 | 80 | 56 | 36.8 | 25-28 | 0.116 |
| 196 | 78 | PW | 40 | 85 | 63 | 44 | 27.7 | 19-21 | 0.098 |
| 230 | 90 | PW | 40 | 68 | 62 | 38 | 23.6 | 21-24 | 0.113 |
| 305 | 120 | PW | 31 | 53 | 48 | 40 | 19.2 | 21-24 | 0.091 |

SAATILENE MESH



SAATILENE HITEX MESH

High quality textile mesh without the high cost

For the printer looking to save on cost while not compromising the printing outcome, Saati offers Saati Hitex printing mesh. Hitex contains the same high tension, low elongation characteristics known

throughout the globe. This offering is a standard precision woven fabric that is excellent for textile, glass, and low mesh count applications. The absence of treatment as well as the tailored specification

offerings allows for the reduced price, promoting cost savings to those who do not reclaim screens or have a high turn over in screen processing.

| MESH (IN.) | CM | COLOR | WEAVE | NOMINAL THREAD DIAMETER (UM) | MESH OPENING (UM) | OPEN AREA (%) | FABRIC THICKNESS (UM) | THEORETICAL INK VOLUME (CM ³ /M ²) | RECOM- MENDED & MAX TENSION (N/CM) | STANDARD WIDTH |
|------------|-----|--------|-------|------------------------------------|----------------------|------------------|--------------------------|---|---|-------------------|
| 17 | 6.5 | WHITE | PW | 385 | 1180 | 58 | 715 | 21.28 | 35-60 | 50, 60" |
| 24 | 9.5 | WHITE | PW | 280 | 810 | 55 | 533 | 15.02 | 35-60 | 50, 60" |
| 38 | 15 | WHITE | PW | 200 | 475 | 50 | 365 | 183 | 35-60 | 50, 60" |
| 54 | 21 | WHITE | PW | 160 | 330 | 46 | 275 | 127 | 35-60 | 50, 60" |
| 61 | 24 | WHITE | PW | 120 | 290 | 50 | 216 | 108 | 35-60 | 40, 50, 60" |
| 61 | 24 | WHITE | PW | 145 | 275 | 43 | 245 | 105 | 35-60 | 60, 80" |
| 74 | 29 | WHITE | PW | 120 | 220 | 41 | 218 | 89 | 35-60 | 40, 50, 60" |
| 74 | 29 | WHITE | PW | 145 | 190 | 32 | 240 | 77 | 35-60 | 40, 50, 60" |
| 81 | 32 | WHITE | PW | 70 | 245 | 61 | 110 | 67 | 24-26 | 50, 60" |
| 86 | 34 | WHITE | PW | 100 | 185 | 41 | 173 | 71 | 35-40 | 40 50 60 80 120 |
| 86 | 34 | YELLOW | PW | 100 | 185 | 41 | 173 | 71 | 35-40 | 40, 60" |
| 110 | 43 | WHITE | PW | 80 | 150 | 43 | 132 | 57 | 35-37 | 40 50 60 80 120 |
| 110 | 43 | YELLOW | PW | 80 | 150 | 43 | 132 | 57 | 35-37 | 40, 50, 60" |
| 125 | 49 | WHITE | PW | 70 | 130 | 40 | 116 | 46 | 30-34 | 40, 50, 60" |
| 125 | 49 | YELLOW | PW | 70 | 130 | 40 | 116 | 46 | 30-34 | 50, 60" |
| 140 | 55 | WHITE | PW | 64 | 120 | 41 | 105 | 43 | 26-31 | 40 50 60 80 120 |
| 140 | 55 | YELLOW | PW | 64 | 120 | 41 | 105 | 43 | 26-31 | 40, 50, 60" |
| 158 | 62 | WHITE | PW | 64 | 90 | 32 | 106 | 34 | 30-34 | 40 50 60 80 120 |
| 158 | 62 | YELLOW | PW | 64 | 90 | 32 | 106 | 34 | 30-34 | 40 50 60 80 120 |
| 180 | 71 | WHITE | PW | 55 | 80 | 33 | 91 | 30 | 25-30 | 40, 50, 60" |
| 180 | 71 | YELLOW | PW | 55 | 80 | 33 | 91 | 30 | 25-30 | 40 50 60 80 120 |
| 196 | 77 | YELLOW | PW | 55 | 70 | 28 | 90 | 25 | 27-32 | 40 50 60 80 120 |
| 230 | 90 | YELLOW | PW | 40 | 68 | 38 | 62 | 24 | 20-24 | 50, 60" |
| 230 | 90 | YELLOW | PW | 48 | 55 | 27 | 81 | 22 | 27-29 | 40 50 60 80 120 |
| 255 | 100 | YELLOW | PW | 40 | 55 | 31 | 64 | 20 | 26-28 | 50, 60" |
| 280 | 110 | YELLOW | PW | 34 | 53 | 35 | 56 | 20 | 22-24 | 50, 60" |
| 305 | 120 | YELLOW | PW | 34 | 45 | 29 | 54 | 16 | 24-26 | 40 50 60 80 120 |
| 305 | 120 | YELLOW | PW | 40 | 38 | 20 | 67 | 13 | 27-32 | 50, 60" |



SAATI PRE-STRETCHED PRO SCREENS/ELITE SCREENS

SAATI is pleased to introduce its new pre-stretched screen program. For the textile printer who needs to focus on stencil production and printing, SAATI Stretched Screens are produced with the same high quality SAATI mesh that you are already used to.

White or yellow SAATI Hitex mesh is pre-stretched to Saati's recommended tension levels on aluminium frames with profiles of 1.5 x 1.5" with a .070" wall thickness and adhered with durable Saati SB5 Plus polyurethane glue. Standard mesh counts between 86 and 305 are available, some in multiple thread diameters.

CHARACTERISTICS

- High quality SAATI textile mesh available in a range of mesh counts
- Aluminum frames that are strong but also lightweight and chemical resistant
- Stretched to Saati recommended tension levels
- Durable Saati Chemicals polyurethane glue resists tension loss and chemical attack

SAATI ELITE SCREENS

- High quality Saatilene Hitex fabric
- Saati Chemicals SB5 Plus Adhesive
- Permanent block out border
- Gasket (caulk) bead on inside border
- 20x24, 23x31, 25x36 (1.5" profile .125 wall)

SAATI PRO SCREENS

- High quality Saatilene Hitex fabric
- Stretched with approved SAATI adhesive
- Market-priced

ADVANTAGES

- Excellent performance screens
- Order in bulk and worry less
- Devote your staff to other steps in the printing process
- Get rid of your old frames and start using reliable Saati frames
- Recycle your frames at the end of their usable life

AVAILABLE SPECIFICATIONS

| | 86.100 | 110.80 | 125.70 | 140.64 | 158.64 | 180.55 | 196.55 | 230.40 | 230.48 | 255.40 | 305.34 | 305.40 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20X24 | WH | WH | WH | WH | WH/YE | YE |
| 23X31 | WH | WH | WH | WH | WH/YE | YE |
| 25X36 | WH | WH | WH | WH | WH/YE | YE |

WH: White YE: Yellow

PRE STRETCHED SCREENS



HIGH QUALITY SAATILENE
HITEX MESH



SAATI STRETCHED SCREENS ARE PRODUCED ON
SAATI TOP 12 CLAMPS AND RESIST TENSION LOSS



SAATI ELITE SCREENS ARE MADE WITH ULTRAFIX SB5 PLUS
POLYURETHANE ADHESIVE FOR SUPERIOR CHEMICAL RESISTANCE



BOPP™ STAINLESS STEEL WIRE CLOTH

Saati is a direct importer of G. Bopp & Co. AG Stainless Steel Wire Cloth. Bopp Precision woven wire cloth is produced in Switzerland under strict ISO 9001 international certification. SD wire cloth is woven to ultra tight tolerances for the most demanding screen printing applications. Whether for electronics, solar, graphics, or ceramic applications, Bopp wire is considered of the highest quality available in the world.

SPECIFICATIONS

Ink deposit uniformity and close tolerance registration are challenges that Bopp SD Wire Cloth is uniquely suited to address. Many years of research and dedication to being an industry leader has resulted in a wide selection of specifications to meet a variety of needs. Different wire diameters, mesh openings and fabric thickness offer a wide range of selection for your deposition needs. Within any mesh count there is a range of wire diameters to choose from. Wire diameters range from .0007 to .0045, mesh counts from 60/in to 500/in, plain and some twill weave and also type 304 and 316 stainless steel.

TOLERANCES

Bopp AG is unique in the position of manufacturing all their wire needs. In house control of wire drawing offers precision control that is unmatched by their competitors. This control translates to closer tolerances and greater accuracy in your printing operation. Individual roll inspection sheets can be supplied to you upon request. These sheets detail overall fabric thickness measurements in microns, from left, center and right sides at every meter of the entire length of the roll.

CALENDARED MATERIAL

Bopp's critically acclaimed calendaring capability is recognized world wide as the finest in dialing in a customized calendared fabric thickness. Maximum calendaring in cases beyond 30% of the wire diameter doubled, is capable with their most advanced state of the art calendaring technology. Calendaring from "soft" = approx. 10% to "standard" approx. 20% to "heavy" 30%+, always of original thickness of mesh if possible.

CUSTOM SHEETING

For your convenience, Bopp wire is available in custom sheets, cut for the maximum yield, to meet your specifications.

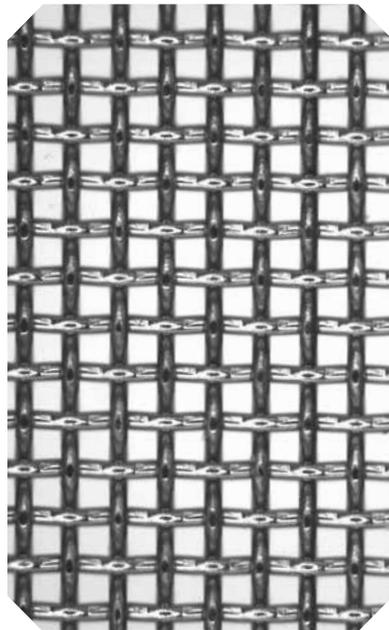
BOPP SD PLUS WIRE

New generation BOPP SD PLUS screen printing meshes are capable of achieving tension values up to 50% and more above and beyond traditional meshes. Increased screen tension improves the print result, especially with lower off contact distances, and increases accuracy of registration. Unused tensioning capacity facilitates a considerably longer screen life and improvements in process efficiency. Typical tension values for SD PLUS meshes have been established under optimum working conditions. These should be adapted in accordance with the condition of the actual frame and tensioning equipment.

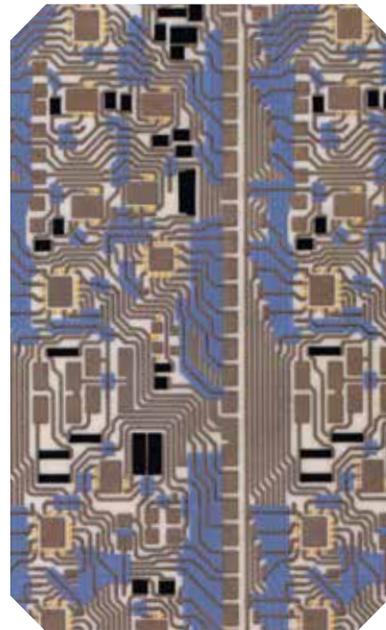
Datasheets detailing recommended tension values are available on request.



BOPP WEAVING LOOM



PRECISION WOVEN WIRE



MICROELECTRONIC SCREENPRINTING

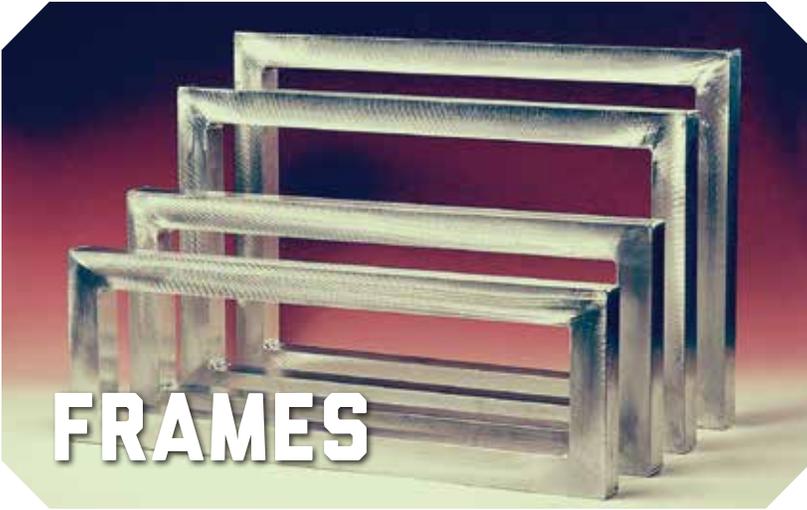
| BOPP SD CODE | USA SPECIFICATION ANSI/AWCI 01-1992 | | METRIC SPECS ISO 4783-1 1989 | OPEN AREA | CLOTH THICKNESS AS WOVEN AW | | THEORETICAL INK DEPOSIT | THEORETICAL MAXIMUM TENSION |
|--------------|--|--------------------|------------------------------------|-----------|--------------------------------|-------------|----------------------------|--------------------------------|
| | MESH OP/D | MESH THREADS/IN | WIRE DIAMETER THREADS (IN / MM) | | MESH OPENING (MICRONS) | % OP A/O | | |
| 224/100 | 80 | 0.0040 / 0.100 | 224 | 48 | 215 ± 4 | 0.0085 | 103 | 40 |
| 160/75 | 105 | 0.0030 / 0.075 | 160 | 46 | 162 ± 4 | 0.0064 | 75 | 40 |
| 140/65 | 120 | 0.0026 / 0.065 | 140 | 47 | 140 ± 3 | 0.0055 | 65 | 40 |
| 125/65 | 135 | 0.0026 / 0.065 | 125 | 43 | 140 ± 3 | 0.0055 | 61 | 40 |
| 118/56 | 145 | 0.0020 / 0.056 | 118 | 46 | 120 ± 3 | 0.0047 | 55 | 38-40 |
| 100/50 | 165 | 0.0020 / 0.050 | 100 | 44 | 110 ± 3 | 0.0043 | 49 | 36-38 |
| 95/45 | 180 | 0.0018 / 0.045 | 95 | 46 | 102 ± 3 | 0.0040 | 47 | 33-35 |
| 90/40 | 200 | 0.0016 / 0.040 | 90 | 48 | 90 ± 3 | 0.0035 | 43 | 31-33 |
| 75/36 | 230 | 0.0014 / 0.036 | 75 | 46 | 80 ± 3 | 0.0031 | 37 | 30-32 |
| 63/36 | 250 | 0.0014 / 0.036 | 63 | 40 | 80 ± 3 | 0.0031 | 32 | 31-33 |
| 59/32 | 280 | 0.0012 / 0.032 | 59 | 42 | 68 ± 2 | 0.0027 | 29 | 29-31 |
| 56/36 | 270 | 0.0014 / 0.036 | 56 | 37 | 80 ± 3 | 0.0031 | 30 | 32-34 |
| 56/32 | 300 | 0.0012 / 0.032 | 56 | 40 | 68 ± 2 | 0.0027 | 28 | 30-32 |
| 50/30 | 325 | 0.0011 / 0.030 | 50 | 39 | 62 ± 2 | 0.0024 | 24 | 46-48 |
| 50/28 | 325 | 0.0009 / 0.028 | 50 | 41 | 58 ± 2 | 0.0023 | 24 | 25-29 |
| 40/28 | 370 | 0.0011 / 0.028 | 40 | 35 | 58 ± 2 | 0.0023 | 20 | 29-31 |
| 40/25 | 400 | 0.0010 / 0.025 | 40 | 38 | 51 ± 2 | 0.0020 | 19 | 26-28 |
| 40/23 | 400 | 0.0009 / 0.028 | 40 | 40 | 48 ± 2 | 0.0019 | 19 | 20-22 |

HEAVY GRADES

| | | | | | | | | |
|--------|--------|------------|-----|----|---------|--------|----|-------|
| 100/65 | 150 | .0026/.065 | 100 | 37 | 140 ± 3 | 0.0055 | 51 | 40 |
| 80/50 | 200 | .0020/.050 | 80 | 38 | 110 ± 2 | 0.0043 | 42 | 40 |
| 63/40 | 250 | .0016/.040 | 63 | 37 | 90 ± 2 | 0.0035 | 34 | 35-37 |
| 56/40 | 270 TW | .0016/.040 | 56 | 34 | 88 ± 2 | 0.0035 | 30 | 34-38 |
| 42/36 | 325 TW | .0014/.036 | 42 | 29 | 76 ± 2 | 0.0030 | 22 | 36-38 |
| 36/28 | 400 TW | .0011/.028 | 36 | 32 | 60 ± 2 | 0.0024 | 19 | 28-31 |
| 32/25 | 450 TW | .0010/.025 | 32 | 32 | 54 ± 2 | 0.0021 | 17 | 28-31 |
| 25/25 | 510 TW | .0010/.025 | 25 | 25 | 54 ± 2 | 0.0021 | 14 | 31-33 |

ULTRA THIN GRADES

| | | | | | | | | |
|--------|-----|-------------|-----|----|----------|--------|----|-------|
| 300/65 | 70 | .0026/.065 | 300 | 68 | 140 ± 3 | 0.0055 | 95 | 29-31 |
| 245/65 | 82 | .0026/.065 | 245 | 62 | 140 ± 3 | 0.0055 | 87 | 34-37 |
| 265/50 | 80 | .0020/.050 | 265 | 71 | 110 ± 3 | 0.0043 | 78 | 20-22 |
| 98/30 | 200 | .0011/.0030 | 98 | 58 | 60 ± 2 | 0.0024 | 35 | 40-45 |
| 90/36 | 200 | .0014/.036 | 90 | 51 | 80 ± 2 | 0.0031 | 41 | 26-28 |
| 53/24 | 325 | .0009/.024 | 53 | 47 | 52 ± 1.5 | 0.0020 | 25 | 17-19 |
| 45/18 | 400 | .0007/.018 | 45 | 51 | 40 ± 1.0 | 0.0016 | 20 | 12-14 |



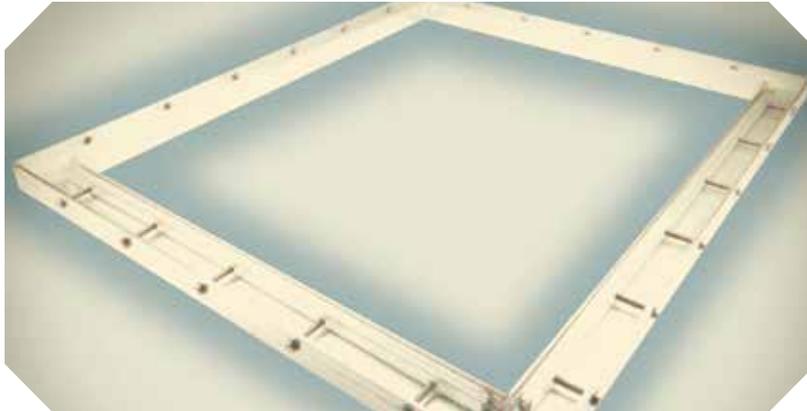
BECKER™ RIGID ALUMINUM FRAMES

Custom-made to your exact requirements, these quality welded metal frames are much stronger than inferior wood frames, yet are conveniently lightweight and are more corrosion resistant when compared with steel. They are constructed with a surface ground or sandblast finish for excellent adhesion.

Choose from a variety of profiles as well as wall thicknesses to meet strength requirements.

BECKER™ RIGID ALUMINUM FRAME PROFILES

| MODEL | PROFILE THICKNESS | WALL THICKNESS | RECOMMENDED MAXIMUM O.D. LENGTH |
|-------|-------------------|----------------|---------------------------------|
| 1 | 1/2 X 1" | 0.125" | 18" |
| 2 | 3/4" X 3X4" | 0.125" | 18 - 24" |
| 3 | 3/4" X 1 1/2" | 0.125" | 31 - 36" |
| 4 | 1" X 1" | 0.070" | 18 - 24" |
| 5 | 1" X 1" | 0.125" | 24 - 30" |
| 6 | 1" X 1 1/2" | 0.125" | 30 - 36" |
| 7 | 1" X 2" | 0.125" | 40 - 45" |
| 8 | 1 1/4" X 1 1/4" | 0.095" | 26 - 30" |
| 9 | 1 1/4" X 1 1/4" | 0.125" | 30 - 35" |
| 10 | 1 1/2" X 1 1/2" | 0.070" | 31 - 36" |
| 11 | 1 1/2" X 1 1/2" | 0.95" | 36 - 40" |
| 12 | 1 1/2" X 1 1/2" | 0.125" | 40 - 50" |
| 13 | 1 1/2" X 2" | 0.125" | 50 - 55" |
| 14 | 1 1/2" X 2 1/2" | 0.125" | 55 - 75" |
| 15 | 1 1/2" X 3" | 0.125" | 90 - 105" |
| 16 | 1 1/2" X 4" | 0.125" | 120 - 140" |
| 17 | 1 3/4" X 5" | 0.125" | 200" AND UP |
| 18 | 2" X 2" | 0.125" | 60 - 70" |
| 19 | 2" X 3" | 0.125" | 70 - 80" |
| 20 | 2" X 4" | 0.125" | 140 - 160" |
| 21 | 2" X 6" | 0.125" | 240" AND UP |



EINO DRAW-BAR™ FRAMES

The Draw-Bar Frame system is a U-shaped channel with an enclosed fabric locking bar. It is drawn outward with numerous bolts to tension and adjust the screen-printing fabric. The Draw-Bars are manufactured for maximum flexibility and strength to achieve perfect screen tensions throughout the image area. The ease of the locking systems allow for excellent fabric installation and alignment. The ability to adjust on-press misregistration within the frame itself makes it the most accurate system available.

The locking systems commonly used with the Draw-Bar Frames are the Keystone™ Nylon and Top Loading™. The Keystone system utilizes a single tapered nylon rod which slides into the Draw-Bar through the end of the frame. This system is recommended for wire mesh and frames with narrow profiles because of its pretensioning ability.

The Top Loading system uses two round rods which are snapped into the Draw-Bar with a wheel-type insertion tool. This locking system allows for the fabric to be secured simply and evenly. The round nylon rods come in three color-coded diameters to accommodate all mesh counts.

White – High mesh counts
 Blue – Standard mesh counts
 Black – Low mesh counts, wire mesh

GLUE-ON DRAW-BAR

The Glue-On Draw-Bar Frame replaces the standard locking system with one that has a removable plastic strip, allowing the frame to be used over and over again in the stretch-and-glue process.

Replacement inserts are available.

FEATURES

- Manufactured to custom specifications
- ± 1 N/cm accuracy in tensioning
- On-press micro-registration capabilities
- Fully welded, guaranteed watertight for life
- Stainless steel hardware available
- Variety of models to choose from for each application

KEYSTONE LOCKING RODS

White High Mesh Counts

TOP-LOADING DOUBLE NYLON LOCKING RODS

White High Mesh Counts

Blue Medium Mesh Counts

Black Low mesh counts, stainless steel

GLUE ON SURFACE

(Detachable Insert)

Draw-Bar Frame, Keystone, and Top Loading are trademarks of Eino/Olec Corporation.

TECH TIP: CHOOSING A FRAME

With any frame, care should be taken to stay within the recommended limits of manufacturer of the profile sizes. One of our technical representatives can help you choose the correct profile size for your frame size.

WOOD FRAMES

Although wood frames may require a smaller initial cash investment, it will soon be realized that they are less cost-effective in the long run. For more critical jobs, wood frames do not provide the stability needed for registration, and require constant press adjustment. They hold moisture, which in turn can cause them to warp and bow. If screen tension and uniformity of tension are sacrificed where they are required, inefficiencies and quality problems occur.

RIGID METAL FRAMES

These frames provide the rigidity and strength for higher tension levels, as well as a longer lifetime. Printing results will improve greatly over wood frames.

A quality-made metal frame is constructed of steel (coated), aluminum or magnesium. Insist that these frames are welded and not screwed together. You can also select the finish; either ground mechanically or sand-blasted. Both work quite well, but some people have a preference for one or the other. If you do not have a stretcher that pre-bows the frame, insist on the thickest side-wall that is available so that the frame does not lose tension due to deflection of frame.

SELF-TENSIONING/RETENSIONABLE FRAMES

Not only do these frames serve as their own stretcher, thereby eliminating the additional need for a stretcher and adhesive, but they provide the ultimate control over screen tension. You can achieve optimum screen tension and uniformity throughout the screen, in addition to the longest and best possible life of the fabric. Achieving higher tension levels allows closer off-contact distances, which results in better print edge quality and maximized registration. Longer stencil and squeegee life are also benefits as a result of these closer off-contact distances.



STRETCHING EQUIPMENT



SAATI TOP 12 CLAMPS

The new Saati Clamp will provide optimum pneumatic screen tensioning. This highly advanced, yet easy to use system achieves the highest recommended tensions more uniformly, without over-tensioning the corners. It provides the greatest stability of any system available. Among the most notable features of this premier stretching system is its independent or simultaneous warp/weft tensioning capability.

In addition, its unmatched, patent-pending "raise/lower" design pre-stresses the frame while simultaneously eliminating mesh contact with the frame surface during stretching. This specialized "non-contact" stretching eliminates any hazardous friction, uneven tensioning or resultant tears caused by distorting the mesh when it comes in contact with rough or uneven frame surfaces.

The long 4.75" stroke per clamp allows for 10" of total stretch in each direction.

A special pneumatic device lifts the mesh above the frame for stretching, while the clamps hold (and pre-stress) the frame. Once the desired tension is achieved, the mesh is lowered for adhesion to the frame.

TECHNICAL FEATURES

- Internal components extruded in aluminum, lateral parts in powder coated steel,
- Both versions, 10" (250mm), and 6" (150mm) available
- Independent pneumatic control for both horizontal axis
- <4.75" stroke length
- Vertical Axis with a range stroke of 0.4" - 1.25" (10.5mm - 31mm) of run
- Maximum tension: 50 N/cm
- Daisy chain connection, no manifold needed
- Control panel with independent warp and weft control
- Adjustable frame support

BENEFITS

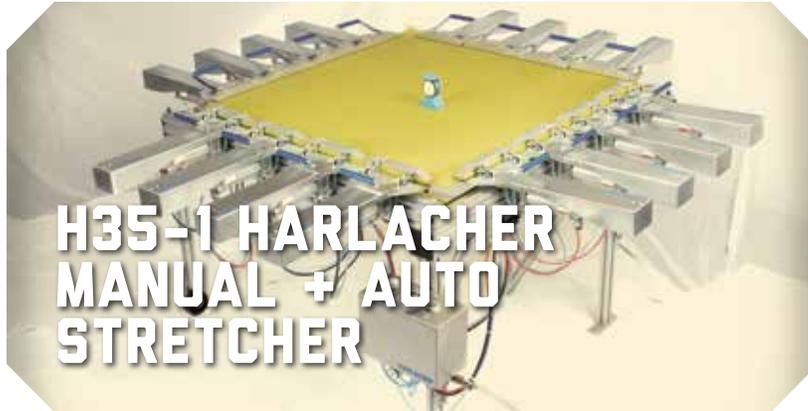
- Higher tension, longer stroke
- Tension from small frames to extremely large frames
- Very high degree of repeatability
- High reliability, easy maintenance

Leasing available, please inquire.

SPECIFICATIONS

| | |
|--|--|
| WEIGHT | 21.4 LBS |
| LENGTH | 24.8" |
| LENGTH FROM BACK OF CLAMP TO PUSH PLATE | 20.1" |
| AIR PRESSURE | 95-100 PSI (REQUIRES MOISTURE-FREE LINE) |
| STANDARD JAW WIDTH | 10" |
| ALTERNATE JAW WIDTH | 6" |
| SPACE REQUIREMENTS | TABLE OUTER DIMENSIONS + 4" ON ALL SIDES |
| VERTICAL AXIS HEIGHT | 0.6" |
| STROKE LENGTH | 4.7" |
| MAX TENSION | 60 N/CM |

STRETCHING EQUIPMENT



H35-1 HARLACHER MANUAL + AUTO STRETCHER

TECHNICAL INFORMATION

- Frame formats up to 3000 x 3000 mm
- Minimum frame size 500 x 500 mm (excl. lay in plate/mother frame)
- Frame profile 10 - 60 mm
- Frame support adjustable to frame profiles of 10 to 60 mm
- Clamps widths of 150 mm and 250 mm can be interchanged for the optimal combination to suit any frame size
- Stroke 100 mm or 150 mm
- Maximum mesh tension 50 Newton
- Color: stainless steel, aluminum, Harlacher blue (RAL 5017)
- Complies to CE specifications

ASSEMBLY

The H35-1 is delivered disassembled. The components of the basic unit can be put together easily. There after the clamps (which are delivered fully assembled) can be slid onto the unit. Next the clamps are to be connected to each other and then to the control unit.



HARLACHER H25-5

CONNECTIONS

- Electric connection (only with electronic control unit): 1 x 230V + N + PE, 50/60 Hz or 3 x 230V + PE, 50/60 Hz or 3 x 400V + N + PE 50/60 Hz
- Compressed air connection: 6-8 bar, oil and water free, air-max. 50l/min
- Air consumption max. 50l/min; recommended compressed air tank contents: min 50 Litre (for 16 clamps)

CONTROL UNIT

- 1 circuit - manual: for frame sizes up to approx. 1500 x 1500 mm
- 2 circuit - manual: for frame sizes up to approx. 3000 x 3000 mm
- 1 circuit - electronic: with 20 tensioning programs which can be saved, for frame size of up to approx. 1500 x 1500 mm
- 2 circuit - electronic: with 20 tensioning programs that can be saved, for frame sizes up to approx. 3000 x 3000 mm

A mechanical stretcher with pneumatic lifting. This sturdy tensioning unit enables you to meet the most demanding tensioning requirements at an excellent price performance ratio. Forces caused in the tensioning process pre-bow the frame.

TECHNICAL INFORMATION

- Standard sized from frame outside dimensions 39" x 39" up to 118" x 118" in steps of 15.7" are available.
- Frame formats from 15.75" x 15.75" to 118" x 118"
- Maximum frame height 2.5"
- Maximum mesh tension 50 N/cm
- Frame support with pneumatic lift-up to the mesh

The pneumatic tensioning unit, HARLACHER H35-1 combines the advantages of pneumatic and mechanical tensioning. Designed for precise and repeatable tensioning, the H35-1 meets the highest quality requirements in stencil processing.

The excellent price/performance ratio, simple controlling and individually adaptable applications add up to an outstanding tensioning unit. The H35-1 is suited to all types of mesh.

Both the control unit and options can be selected based on individual needs, thereby creating an optimal tensioning unit.

TECHNICAL VARIATIONS

- Tensioning forces are absorbed by the frame, thereby pre-bowing the frame, the mesh is pulled carefully over the frame (standard version)
- Tensioning forces are absorbed by the tensioning unit, the frame is pressed up against the mesh pneumatically, pressure in the screen supports is continuously adjustable, no pre-bowing of the frame
- Tensioning forces are absorbed by the frame, thereby pre-bowing the frame, frame is pressed up against the mesh pneumatically, pressure in the screen support is continuously adjustable

MEASUREMENTS

- Working height 800 mm
- Min length: max frame length + 600 mm
- Max length: max frame length x 2
- Min width : max frame width + 600 mm
- Max width: max frame width x 2

- Simple continuous size adjustment from minimum to maximum frame size
- Placed on wheels, one side fixed
- Tensioning from 2 or 4 sides optional
- Movable clamps placed on a linear guide guarantee optimal equalizing of mesh tensioning in all directions
- Clamps measure 6"

OPTIONS

- Lay in plate with positioning points for angled tensioning, simultaneous tensioning of multiple frames
- Mechanical tension gauge
- Electronic tension gauge 7-75 N/cm



ULTRAFIX CA™ SERIES

Spray-activated cyanoacrylate adhesives

- Cures instantly
 - Highly resistant to water and solvents
 - Provides excellent bonding strength, high shear strength and low peel
 - For use on wood and metal frames
- Available in three different viscosities to match your mesh count

| APPROPRIATE ULTRAFIX BY MESH COUNT | |
|------------------------------------|----------------|
| 330 - 508 | ULTRAFIX CA50 |
| 196 - 355 | ULTRAFIX CA100 |
| 17 - 230 | ULTRAFIX CA150 |

ULTRAFIX C-FLEX™

Rubber-toughened, spray-activated cyanoacrylate adhesive

- More flexible than conventional cyanoacrylate adhesives
 - Flexibility reduces damage to mesh during printing and injury to workers during handling
 - Cures instantly
 - Highly resistant to water and solvents
 - Provides excellent bonding strength and high shear strength, yet easy to peel
 - For use on wood and metal frames
 - Recommended for mesh counts 305-508
- Available in 16-ounce containers.

ULTRAFIX CA ACTIVATOR

Cures cyanoacrylate adhesive instantly

- Available in two types of dispensers: aerosol and pump
- For use with all Ultrafix CA series and C-Flex

Ultrafix CA Activator A (aerosol) is available in 10-ounce cans. Ultrafix CA Activator P (pump) is available in 8-ounce and 1-gallon containers.

ULTRAFIX SB2 PLUS WITH CATALYST

Fast-curing, 2-part, urethane based adhesive

- Remove frame from the stretching system only minutes after applying
- Can be applied over old adhesive residue
- Superior resistance to solvents, heat and automatic cleaning machines
- Ultrafix SB2 Plus is blue, low viscosity adhesive for fine to medium mesh counts
- For use on wood and metal frames

Available in 750-g containers with 150-g catalyst and in 1 gallon containers with 0.2 gallon catalyst

ULTRAFIX SB3 PLUS AND ULTRAFIX SB3 PLUS HV - WITH CATALYST

Fast-drying, 2-part, urethane based adhesives

- Long mixed pot life
- Can be applied over old adhesive residue
- For use on wood and metal frames
- Ultrafix SB3 Plus is low viscosity for fine to medium mesh counts
- Ultrafix SB3 Plus HV is high viscosity for medium to low mesh counts

Available in 1 gallon containers and 55 gallon drums with catalyst for 1 gallon

ULTRAFIX SB5 PLUS WITH CATALYST

Fast-curing, 2-part, urethane-based adhesive with superior resistance to aggressive solvents

- Remove frame from stretching system only minutes after applying
- Can be applied over old adhesive residue
- Superior resistance to solvents, heat and automatic cleaning machines
- Red, low-viscosity adhesive for fine to medium mesh counts
- For use on wood and metal frames

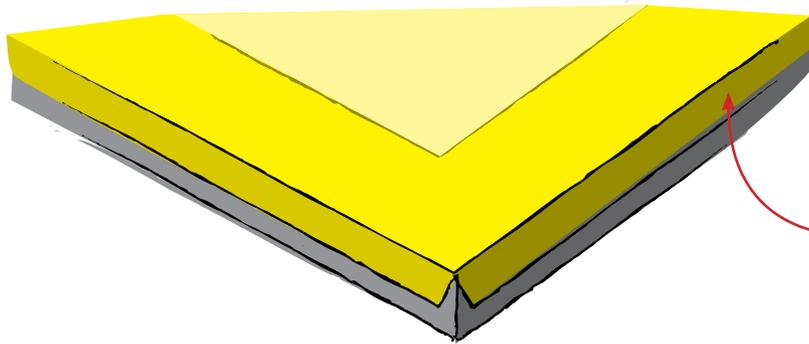
Available in 1 gallon containers and 55 gallon drums with catalyst for 1 gallon

FINISH ST1 A+B

Transparent two part polyurethane lacquer

- Applied by brush or roller on top of frame adhesive
- Offers ultimate resistance against aggressive solvents during screen cleaning
- Prevent adhesive failure in automated reclaim systems
- Cures in 24 hrs

Both parts available in 5-kilo containers



TECH TIP: MAXIMIZING SCREEN LIFE

leave strips of extra mesh outside the frame edge after stretching.

Glue the extra material to side of frame then brush on [Finish ST A+B](#)

this Polyurethane topcoat prevents solvent attack and loss of adhesion

To help you determine which type of frame adhesive is best for your application, the following comparison outlines the differences between cyanoacrylate systems and two-part systems

| | CYANOACRYLATE FRAME ADHESIVES WITH ACTIVATOR | TWO-PART FRAME ADHESIVES (URETHANE AND/OR POLYESTER-BASED + HARDENER) |
|---|---|--|
| EASE OF APPLICATION/ CONVENIENCE | no mixing required; spray-activated | requires mixing, and once mixed, is subject to a limited pot life |
| DRYING TIME | instant (< 30 seconds) | approximately 5-15 minutes |
| DURABILITY | slightly less than a two-part | Best of all adhesive systems |

ADHESIVE REMOVERS

ULTRAFIX REMOVER

Removes Ultrafix adhesives

- Convenient gel or liquid form
- Effective on urethane-based and cyanoacrylate adhesives

Gel available in quart and 1-gallon containers.

Liquid available in 1 quart, 1 gallon, 5 gallon containers and 50 gallon drum

ULTRAFIX CA DEBONDER

Removes cyanoacrylate adhesives

- Sold with a pump dispenser
- Softens/dissolves Ultrafix CA series and C-Flex

Available in 8-ounce containers.

PALLET ADHESIVES

ULTRAFIX PT 1, 2

Holds garments securely on pallet, or belt, during printing.

- Water-based pressure-sensitive adhesive
- High tack level holds fleece & tees
- Flash safe & non-staining
- Non-flammable & no VOC's

Available in quart and 1-gallon containers.

PREMIUM MIST PALLET ADHESIVE

For use with standard garments

Available in 13-ounce containers.

DRI-WEB PALLET ADHESIVE

For use with fleece, heavy-weight sweatshirts and jackets

Available in 13-ounce containers.

PREMIUM FLASH PALLET ADHESIVE

For use with flash-curing techniques

Available in 14-ounce containers.

POLY SQUEEGEE (SCRAPERS)

Available in 2-inch and 6-inch sizes.





SAATI CHEMICALS PRETREATMENTS

Saati Chemicals Direct Prep™ mesh pretreatments are specially designed to clean and prepare your screen mesh surface. They improve film lamination and the coating and bonding of direct photoemulsions, resulting in optimum stencil performance and durability. Direct Prep 1, 2 and 3 go a step beyond conventional degreasers and actually treat the fabric surface with a wetting agent — making the screen more “wettable” than an untreated, or simply degreased screen. Screens treated with Direct Prep 1, 2, or 3 can hold an unbroken sheet of water on their surface when rinsing, for completely uniform stencil adhesion.

Direct Prep products are convenient to use. They can be used on any mesh count. They do not settle or separate and are non-hazardous and biodegradable.

DIRECT PREP 1

Ready-to-use, one-step mesh abrader, wetting agent and degreaser

- Lightly abrades, degreases and prepares new monofilament synthetic fabric
- Does not clog mesh openings
- Dyed color ensures complete rinse from mesh
- Apply with a nylon or polyester brush

Available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

DIRECT PREP 2

For each screen recycling. Ready-to-use wetting agent and degreaser.

- After initial fabric roughening, use with each reuse of synthetic monofilament mesh
- Use to prepare new multifilament and stainless steel mesh
- Dyed color ensures complete rinse from mesh
- Highly recommended for use with direct photopolymer emulsions
- Apply with a nylon or polyester brush

Available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

DIRECT PREP 3

the only concentrated powerful cleaner and effective wetting agent available on the market

- 10:1 concentrated liquid wetting agent and degreaser, can be used up to 40:1 in automatic spray systems
- New, more powerful cleaning action
- 100% biodegradable

Available in 5-gallon containers. (Makes 50 gallons.)

DIRECT PREP 3 LF

the only concentrated powerful cleaner and effective wetting agent available on the market

- Low-foaming when used in automatic cleaning machines
- 10:1 concentrated liquid wetting agent and degreaser, can be used up to 40:1 in automatic spray systems
- New, more powerful cleaning action
- 100% biodegradable

Available in 5-gallon containers. (Makes 50 gallons.)

DIRECT PREP 4

Ready-to-use, detergent-based degreaser

- Use in spray applications
- Recommended for use with diazo and dual-cure emulsions
- Can also be used as a concentrated hard surface cleaner

Available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

TECH TIP: WHY USE DEGREASERS

Mesh is A plastic, emulsion is A water-based paint,

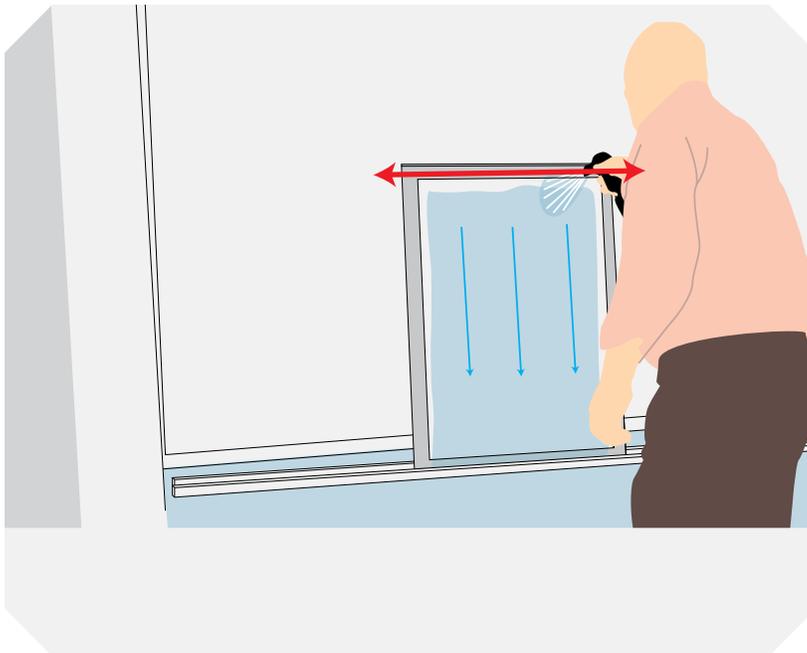
SO USE MESH PREP AS A PRIMER

Mesh prep/degreaser helps eliminate fisheyes, pinholes, and improves emulsion adhesion.

IT'S NOT JUST FOR CAPILLARY FILM

Do not use solvents or household cleaners to “degrease” mesh,

USE SAATI CHEMICALS DIRECT PREP PRODUCTS



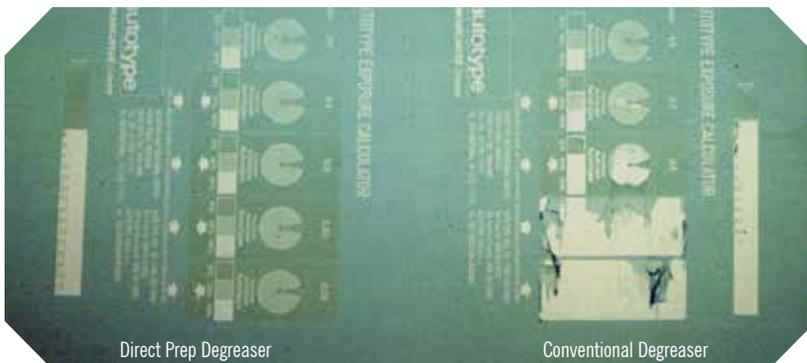
TECH TIP: CORRECT DIRECT PREP WASH-OFF TECHNIQUE

following the application and wash-off of SAATI Chemicals *DIRECT PREP* products, the final rinse technique is critical to preparing an optimal coating surface.

to correctly rinse a pretreated screen, flood it with a garden hose at the top, pointing the nozzle downward and rinse horizontally across the top of the screen, to create an unbroken cascade effect.

This technique results in a uniformly wet surface that will dry evenly and later coat evenly.

if you notice disruptions in the flow of water down the fabric then you have identified remaining contaminants on the mesh surface that must be removed before they can compromise coating quality or create fisheyes in a coated screen.



Direct Prep Degreaser

Conventional Degreaser



SAATI CHEMICALS EMULSION



DUAL-CURE TECHNOLOGY

Dual-cure emulsions contain two curing systems; a light-sensitive photopolymer system added during manufacture and the traditional sensitizer added by the end-user. Two curing systems lead to superior mesh bridging and resolution, and permits high solids contents for reduced shrinkage and improved print definition. Dual-cures are both solvent and water resistant, yet easy to reclaim.

TRIPLE-CURE TECHNOLOGY

Saati Chemicals' triple-cure technology has three distinct cross-linking systems that together produce a highly solvent-resistant and waterproof permanent stencil. The third curing system is triggered when the stencil is post-treated with a catalyst, Saati Chemicals Fixer 9. The catalyzing transforms an easy-to-reclaim, solvent-resistant stencil into a permanent stencil with unsurpassed durability among water-based emulsions. This technology is ideal for printers who need extreme water-resistance, such as textile printers, or for those using abrasive inks and need mechanical resistance such as ceramic printers. Triple-cure technology allows printers to have a durable permanent stencil and at the same time have the high-resolution traditionally achieved with a dual-cure.

PURE PHOTOPOLYMER TECHNOLOGY

Emulsions based on pure photopolymer technology have the following three main advantages:

1. They require no mixing of added sensitizer. They are presensitized and ready-to-use.
2. They have a shelf-life measured in years.
3. They expose in a fraction of the time required by either dual-cure or diazo emulsions.

With no diazo to add, you eliminate any problems with the mixing process, allowing you to jump right into production. The fast exposure times mean that hundreds of screens can be easily produced every day, and exposure times are reasonable when exposing large format screens with a single lamp or when only low power exposure lamps are available. The long shelf life means that the emulsion performs to its optimum level until the last drop. This is especially beneficial for the smaller shop. Unlike emulsions that use diazo and must be bone dry prior to exposing, pure photopolymer emulsions are unaffected by humidity.

COMPUTER-TO-SCREEN TECHNOLOGY

Saati Chemicals' computer-to-screen emulsions are designed to optimize productivity of computer-to-screen systems by employing SBQ Pure Photopolymer technology specially tuned for maximum sensitivity. They are capable of high-speed imaging, exhibit wide latitude and produce robust and easy to process stencils. Segment specific products designed for graphic, textile, glass and ceramic printers offer optimum performance across a wide range of ink type and mesh count combinations.



Saati Chemicals' Grafic emulsion range encompasses pure photopolymer, dual-cure and diazo technologies. Grafic emulsions feature wide latitude and yield high-resolution stencils with fewer pinholes. The high solids content and medium viscosity of Grafic emulsions produce low Rz stencils with good print definition on any mesh count. All Grafic emulsions are easy to reclaim, non-hazardous and biodegradable.

GRAFIC DS2

OUR MOST AFFORDABLE GRAPHICS EMULSION

- Diazo emulsion resistant to UV-cured, solvent-based and plastisol ink
- Fast exposing with wide exposure latitude
- Easy to reclaim
- Very economical and simple to use

GRAFIC HU

OUR MOST VERSATILE EMULSION

- Blue or red dual-cure emulsion
- Resistant to UV-cured, plastisol, solvent-based and water-based inks
- Controlled particle size results in excellent print definition on any mesh
- Upon drying, lacks the tackiness typical of dual-cure emulsion
- Grafic HU red is also available



GRAFIC HS

OUR MOST AFFORDABLE DUAL-CURE

- Red, blue, violet or clear Dual-Cure emulsion
- Resistant to UV-cured, plastisol, and solvent-based ink

GRAFIC HSS

DUAL-CURE WITH ULTIMATE SOLVENT RESISTANCE

- Use with NMP and DMAC inks
- Very easy to reclaim

SAATIGRAF HSX / HSX3

DUAL-CURE FOR HIGH TECH ELECTRONICS AND INDUSTRIAL PRINTING INCLUDING TOUCH SCREEN, SOLAR CELL, AND CERAMIC CAPACITOR

- Blue or red dualcure emulsion
- Dual-cure direct emulsion with very high solvent resistance for industrial printing
- Extremely high resolution and definition
- Designed for use on stainless steel and synthetic mesh
- 37% solids content

GRAFIC PU

THE CONVENIENCE AND SPEED OF A PURE PHOTOPOLYMER WITH THE VERSATILITY AND PRICE OF A DUAL-CURE

- Blue pure photopolymer emulsion
- Requires no mixing
- Exposes approximately four times faster than dual-cures
- Excellent resistance to UV-cured, plastisol and solvent-based ink
- Water resistant when post-exposed
- Competitively price with dual-cure emulsion

GRAFIC EMULSION

GRAFIC PS3

HIGH RESOLUTION PURE PHOTOPOLYMER GRAPHICS EMULSION

- Blue pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink
- Exposes three times faster than diazo or dualcure emulsions with no mixing required
- Very solvent resistant
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude

GRAFIC PS4

HIGH RESOLUTION PURE PHOTOPOLYMER GRAPHICS EMULSION

- Blue pure photopolymer emulsion
- High solids content and medium viscosity
- Resistant to UV-cured, plastisol and solvent-based ink
- No mixing required, same exposure time as a dual-cure
- Very solvent resistant
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude
- Dual-cure replacement: Coats and exposes the same as a dual-cure

SAATIGRAF CTS

See page 36 for Computer-to-Screen emulsion.

GRAFIC EMULSIONS ARE AVAILABLE IN 1-QUART, 1-GALLON, 5-GALLON AND 50-GALLON CONTAINERS.



TEXTIL EMULSION



Saati Chemicals' Textil emulsions are designed specifically for the garment and textile industries. The Textil range encompasses pure photopolymer, dual-cure, diazo and our unique triple-cure technologies. Textil emulsions feature wide latitude and yield high-resolution stencils with fewer pinholes. The high solids content and medium viscosity of Textil emulsions give good coverage on all mesh counts. All Textil emulsions are non-hazardous and biodegradable.

TEXTIL DW + DW3

THE MOST ECONOMICAL WATER-RESISTANT EMULSION

- Excellent resistance to plastisol and water-based ink
- Reclaimable unless hardened with SaatiChem Fixer 9
- Also available as Textil DW Fast with reduced exposure times

TEXTIL HT

PRODUCES PERMANENT, WATERPROOF STENCILS FOR TEXTILE PRINTING

- Blue high-resolution emulsion designed for textile printing applications
- Its unique triple-cure technology results in outstanding mechanical resistance and durability
- Not reclaimable after catalyzing with Saati Chemicals Fixer 9

FIXER 9 CATALYST SOLD SEPARATELY

TEXTIL PV

THE DURABLE AND FAST GARMENT EMULSION

- Red pure photopolymer emulsion designed for general garment printing applications
- Requires no mixing
- Exposes approximately eight-times faster than diazo or dual-cure emulsion
- Resistant to plastisol ink, abrasion and high humidity
- Water resistant when post-exposed

TEXTIL PHW

THE HIGH-DENSITY EMULSION

- Red pure photopolymer emulsion designed for high-density garment printing applications
- Produces ultra thick stencils with 50% solids and high viscosity
- Requires no mixing
- Exposes approximately eight-times faster than diazo or dual-cure emulsion
- Resistant to plastisol and water-based inks, abrasion and high humidity

TEXTIL PHU / SAATITEX PHU2

ALL PURPOSE SOLVENT AND WATER RESISTANT PHOTOEMULSION

- Red one-part, pure photopolymer emulsion, no mixing required
- 45% / 47% solids content and medium viscosity, easy coating on wide range of mesh
- Fast exposure, approximately 8x / 4x faster than typical two part emulsion
- Can be used with plastisol, water-based and discharge inks
- Solvent resistant and easy to reclaim
- Also available in blue and orange
- Suitable for Direct Exposure Computer-to-Screen
- Can be used with Diazo 11 when extra sharpness is required for high resolution

SAATITEX PHU HR

HIGH RESOLUTION SOLVENT AND WATER RESISTANT PHOTOEMULSION

- Red one part pure photopolymer emulsion with universal ink resistance
- SBQ technology, exposes 6 times faster than two part emulsions and leaves no diazo stains
- Easy Reclaim
- 42% solids and high viscosity for easy coating and good bridging on all mesh counts
- Universally resistant, can be used with solvent based, UV, and water based inks, yet is easy to reclaim
- Recommended for use with discharge inks as is, without using diazo or catalyst for stencil hardening

SAATITEX CTS

See page 36 for Computer-to-Screen emulsion.

TEXTIL EMULSIONS ARE AVAILABLE IN 1-QUART, 1-GALLON, 5-GALLON AND 50-GALLON CONTAINERS.

FIXER 9

INCREASES YOUR STENCIL'S WATER RESISTANCE FOR MORE IMPRESSIONS PER SCREEN

- Works as a catalyst with triple-cure emulsions Textil HT, Vitrum HT and Ceramic HT to make a permanent, solvent-resistant and waterproof stencil
- Works as a emulsion hardener with water-resistant emulsions such as Grafic HU and Textil DW to make a more durable stencil

FIXER 9 IS AVAILABLE IN 1-QUART AND 1-GALLON CONTAINERS.

SAATI CHEMICALS TEXTIL PHU

HYBRID PHOTOPOLYMER EMULSION WITH GRACEFUL PERFORMANCE AND ARMOR-LIKE TOTAL RESISTANCE



EASY RECLAIM
NO STENCIL HARDENER
REQUIRED, SO IT'S EASY
TO RECYCLE SCREENS

**WATER + SOLVENT
RESISTANCE**

*TOUGH, DURABLE
STENCILS FOR WATER-
BASED, DISCHARGE
& PLASTISOL INKS*

SUPER SHARPNESS
GOOD RESOLUTION AND
DEFINITION FOR FINE
DETAIL PRINTING.

HIGH SPEED
FAST EXPOSING AND
WIDE EXPOSURE
LATITUDE ON ALL MESH.

MAXIMIZE YOUR EFFECTIVENESS WITH SUPPLEMENTAL SAATI PRODUCTS



CHARACTERISTICS

- RED ONE-PART PURE PHOTOPOLYMER EMULSION WITH UNIVERSAL INK RESISTANCE
- EXPOSES 8x FASTER DUALCURE 45% SOLIDS AND HIGH VISCOSITY FOR EASY COATING AND GOOD MESH BRIDGING
- UNIVERSALLY RESISTANT, EASY TO RECLAIM FOR USE WITH DISCHARGE INKS, WITHOUT DIAZO OR HARDENER



SAATI HITEX MESH

- PRECISION WOVEN TEXTILE MESH HIGH TENSION, LOW ELONGATION
- WIDE RANGE OF SPECIFICATIONS IN YELLOW AND WHITE MESH



SAATI PRO COAT

- COATS TWO SCREENS, SIMULTANEOUSLY FRONT AND BACK. EX. TWO 20X24, 23X31, OR 25X36 AT A TIME
- FULLY PROGRAMMABLE SIMPLE OPERATION DOUBLE YOUR STANDARD SIZE SCREEN COATING OUTPUT AND MAXIMIZE CONSISTENCY
- SET PROGRAMS FOR REPEATABLE STENCILS, FOR A MORE REPEATABLE PRINT



RECLAIMING

- REMOVE IR26 UNIVERSAL INK REMOVER
- REMOVE ER2 EMULSION REMOVER CONCENTRATE
- REMOVE HR9 HAZE REMOVER GEL TO ELIMINATE STUBBORN GHOST IMAGES
- DIRECT PREP 3 MESH PREP & DEGREASER CONCENTRATE



SAATI CHEMICALS EMULSION



VITRUM EMULSION

Vitrum is Saati Chemicals' line of high-quality emulsions for screen-printing on a broad range of glass products. From glass containers and bottles to appliances and automotive glass, Vitrum emulsions satisfy the most demanding expectations for print definition, stencil resolution, solvent resistance and durability. The Vitrum range encompasses dual-cure and our unique triple-cure technologies. All Vitrum emulsions are non-hazardous and biodegradable.

VITRUM HU

BUILT-IN FEATURES SPECIALLY DESIGNED FOR GLASS PRINTERS

- Blue, high-resolution dual-cure emulsion
- Resistant to UV-cured, plastisol, solvent-based and water-based inks
- High solids content gives controlled stencil build-up
- Upon drying, lacks the tackiness typical of dual-cure emulsion - meaning less image distortion from vacuum blanket, less wear on stencil and squeegee and easier registration

VITRUM HHU

MAXIMUM RESISTANCE TO GLASS PRINTING INKS

- Blue, Pure Photopolymer emulsion
- Very high solids and high viscosity for optimum control of stencil thickness
- Water, solvent and abrasion resistant

VITRUM HT

PRODUCES PERMANENT, DURABLE STENCILS

- Blue high-resolution emulsion
- Its unique triple-cure technology results in outstanding mechanical resistance and durability
- A very high solids content to produce low Rz stencils and very thick stencils
- Not reclaimable after catalyzing with SaatiChem Fixer 9

FIXER 9 CATALYST SOLD SEPARATELY.

SAATIVIT CTS

See page 36 for Computer-to-Screen emulsion.

VITRUM EMULSIONS ARE AVAILABLE IN 1-QUART, 1-GALLON, 5-GALLON AND 50-GALLON CONTAINERS.

TECH TIP: ELIMINATE PINHOLES

HOUSEKEEPING: Avoid specks of dust, lint, scratches on film & glass

DO NOT UNDEREXPOSE: This magnifies scratches, tape & film edges and fine dust.

Strain used emulsion through mesh before re-using – removes skin & contamination.

Avoid bubbles when coating coarse mesh.

COAT SLOWLY + LET EMULSION "REST" IF IT GETS FOAMY.



CERAMIC EMULSION



Ceramic emulsions are Saati Chemicals' response to the demanding requirements of screenprinting onto ceramic tiles. The ceramic emulsions produce stencils with outstanding mechanical resistance and durability when printing abrasive ceramic inks. The ceramic range encompasses pure photopolymer, dual-cure and our unique triple-cure technologies. All ceramic emulsions are non-hazardous and biodegradable.

CERAMIC HT

PRODUCES PERMANENT, DURABLE STENCILS

- Blue high-resolution emulsion designed for ceramic printing applications
- Its unique triple-cure technology results in outstanding mechanical resistance and durability
- Not reclaimable after catalyzing with SaatiChem Fixer 9

FIXER 9 CATALYST SOLD SEPARATELY.

CERAMIC HU

FOR CERAMIC DECALS AND CERAMIC TILES FOR THIRD-FIRING

- Blue, high-resolution, dual-cure emulsion
- Controlled particle size results in excellent print definition on any mesh
- Upon drying, lacks the tackiness typical of dual-cure emulsion

CERAMIC PHW

THE HIGH-DENSITY EMULSION

- Red pure photopolymer emulsion designed for high-density ceramic printing applications
- Produces ultra thick stencils with 50% solids and high viscosity
- Requires no mixing
- Exposes approximately eight-times faster than diazo or dual-cure emulsion
- Resistant to water-based inks, and abrasion resistant for dry powder printing.

SAATIKER CTS

See page 36 for Computer-to-Screen emulsion.

CERAMIC EMULSIONS ARE AVAILABLE IN 1-QUART, 1-GALLON, 5-GALLON AND 50-GALLON CONTAINERS.



COMPUTER TO SCREEN EMULSION

Saati Chemicals' computer to screen emulsions (CTS Series) maximize the performance of direct to screen exposure systems across all industry segments including graphics, textile and glass printing, etc. They provide outstanding stencil thickness and low RZ values combined with extremely fast exposure speeds and excellent printing resistance. CTS emulsions utilize SBQ technology and minimize exposure time to maximize Computer to Screen productivity.

SAATIGRAF CTS FASTEST COMPUTER TO SCREEN EMULSION FOR GRAPHIC APPLICATION

- Red Pure Photopolymer emulsion
- Requires no mixing
- Approximately 20 times faster than dual-cures
- Excellent resistance to solvent-based and UV-cured inks
- Water resistant when post-exposed

SAATIGRAF CTSG FAST EXPOSING SBQ PHOTO EMULSION DESIGNED FOR USE WITH COMPUTER TO SCREEN

- Red or blue pure photopolymer emulsion
- Highly solvent-resistant and super easy reclaiming
- Designed for use with all solvent-based and UV-Cured inks
- Exposes 15 times faster than diazo or dual-cure emulsions
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude

SAATITEX CTS COMPUTER TO SCREEN EMULSION FOR GARMENT, TEXTILE AND FLAG PRINTING

- Violet Pure Photopolymer
- Extremely fast exposure approximately 30 times faster than dual-cures or diazo
- Extra resistant to water-based and discharge inks when post-exposed

SAATIVIT CTS COMPUTER TO SCREEN EMULSION FOR GLASS PRINTING

- Blue Pure Photopolymer emulsion
- Water, solvent and abrasion resistant
- Extremely fast exposing for optimum productivity of CTS
- Approximately 30 times faster than dual-cure or diazo

SAATIKER CTS COMPUTER TO SCREEN EMULSION FOR DIRECT PRINT ON CERAMIC TILES

- Blue Pure Photopolymer
- Triple-cure for extreme water and abrasion resistance - use with Fixer 9
- Approximately 30 times faster than dual-cure or diazo





DIRECT/INDIRECT STENCIL FILMS



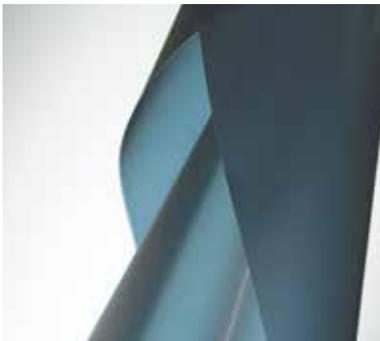
PREMIUM RED

PREMIUM RED

SAATI Premium Red represents the result of years of work to create the finest stencil available. This product accommodates all the needs of advancing technology. Coated on a 2-mil polyester base, the film has the sharpest edge definition. It also provides better adhesion to polyester mesh without the use of unfriendly chemicals. In addition, it has a wide exposure latitude and can be developed with Saati 1 & 2 Developer or hydrogen peroxide.

AVAILABLE ROLL SIZES
26"x500"
48"x300"

CUSTOM SHEET SIZES ARE AVAILABLE



EG1000

EG1000

SAATI EG1000 is a presensitized stencil film specifically designed for the high-resolution requirements of the electronics industry. The blue emulsion is coated on a 2-mil polyester support. EG1000 has a surface coating that prevents sticking in conditions of high humidity.

AVAILABLE ROLL SIZES: 42"x300"

CUSTOM SHEET SIZES ARE AVAILABLE

SM1000

SAATI SM1000 is a dark red presensitized stencil film coated on a 0.002-inch thick polyester support. Although used originally as a solder mask film, its appeal has become universal. Typical uses are printed circuit boards, nameplates and fine decals. SM1000 holds extremely fine detail on polyester and stainless steel mesh. It is ideal for use when you must hold image growth to an absolute minimum. SM1000 is able to hold its resolution due to the special gelatin which enables maximum adhesion without squashing detail. Can be developed with Saati 1 & 2 Developer or hydrogen peroxide.

AVAILABLE ROLL SIZE: 42"x300"

CUSTOM SHEET SIZES ARE AVAILABLE

SAATI DEVELOPERS

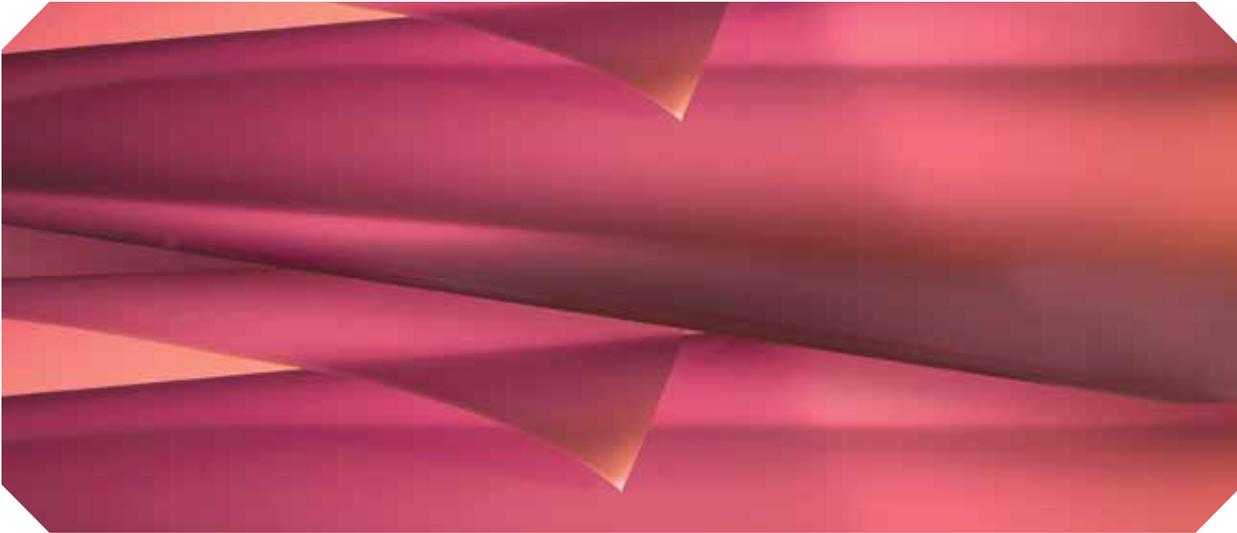
HYDROGEN PEROXIDE (DEVELOPER)

20 volume/6%, recommended as developer for presensitized photostencil films, such as EG1000, Five Star, Premium Red and SM1000.

AVAILABLE BY THE GALLON.

1 + 2 DEVELOPER

Saati Powdered Developer insures the proper strength and pH of gelatin film hardening. It is used where the maximum is demanded from the film. 24 pre-measured containers of parts 1 & 2. Each container makes one gallon of developer.



DCF CAPILLARY FILM

Saati Printing DCF Series Capillary Film is designed for use with all solvent based inks. It varies in color depending on micron thickness and comes in six different thicknesses.

CHARACTERISTICS

- Fully solvent resistant for use with all solvent based & UV-cured inks
- High resolution
- Easy reclaim
- color coded by thickness
- Available in thicknesses of 15, 20, 25, 30, 35 and 50 microns

SCF CAPILLARY FILM

Fast exposing solvent and water resistant capillary film. Exposes three times faster than comparable diazo film. Long shelf life. Easy to reclaim. Can be used with solvent based, UV-Cured, plastisol and water based inks. Post exposure recommended for use with water based inks.

CHARACTERISTICS

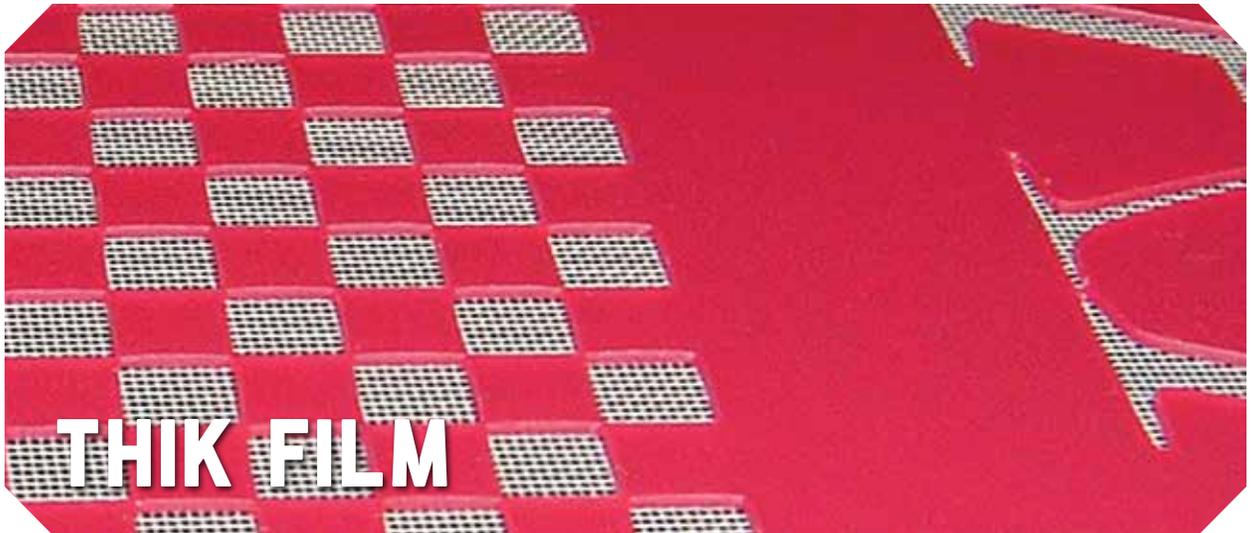
- Fast exposing (3x) SBQ-based capillary film for textile printing
- Solvent & water resistant (with post-exposure) and can also be used with discharge inks
- Easy reclaim
- Color coded by thickness
- Available in thicknesses of 16, 20, 25, 30, 40 & 50 microns

DCF SUPERSHARP

DCF Super Sharp stencil film represents the result of years of work to create the finest direct stencil film available. DCF Super Sharp was developed to meet the needs of the industrial printing market, specifically manufacturers of touch screen displays and solar cells, as well as membrane switches and graphic overlays. This film provides wide exposure latitude with the sharpest edge definition, and boasts exceptional resistance to the aggressive solvents used during on-press cleaning.

CHARACTERISTICS

- Red capillary film specially designed for the most demanding industrial printing applications
- Highly solvent resistant
- Enhanced sharpness for maximum image resolution and print definition
- Designed for use in patterning of functional materials and industrial graphics printing
- Can be used with stainless steel and synthetic mesh
- Available in thickness of 15, 20, 25 and 40 microns



SAATI CHEMICALS THIK FILM

Thik Film is a presensitized high-density capillary film now offered by Saatichem, the leader in emulsion technology. Thik film features a specially formulated red photopolymer emulsion that ensures a faster exposure, consistent stencil thickness, and excellent printing results every time. Thik Film is durable and a great time saver, enabling the production of thick stencils in one process.

FEATURES

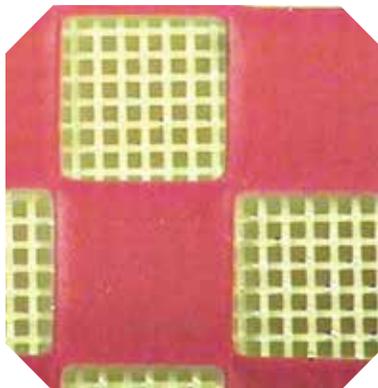
- Easy to handle
- High resolution
- Minimal exposure time
- Ideal for ceramics, electronics and textile applications
- Excellent durability
- Time saver in screen preparation
- Extended shelf life
- Great print quality
- Perfect for high-density printing

THIK FILM IS AVAILABLE IN THICKNESSES OF 100, 200, 300, 400 AND 700 MICRONS.

ALL THICKNESSES ARE AVAILABLE IN SHEETS OF 8.5IN X 14IN (22CM X 36CM) AND 14IN X 17IN (36CM X 43CM)

THIK FILM IN DETAIL

- Red photopolymer emulsion coated on easy handling photobase paper support
- Can be applied as capillary film and then back-coated with emulsion as a separate step
- Alternatively, mounts in a single step by emulsion lamination
- Easy-release paper provides anti-stick surface
- Minimizes adhesion to glass during exposure and resists pick-up of flashed ink films
- Can be used with Thik back-coating emulsion
- Blue emulsion serves as indicator of correct exposure





SAATI CHEMICALS FILM

CAPILLARY FILM METHOD

Remove all dust from the emulsion side of the film. Spray the mesh with water and wipe the excess water from the perimeter of the frame to avoid water drops running into the adhered film. Contact the leading edge of the film onto the top of the wet vertical screen and allow the wet screen's capillary action to adhere the film to the mesh. Remove excess moisture 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.

DIRECT/INDIRECT METHOD

Place the film emulsion side up on a raised surface. Place substrate side of screen onto film. Apply a bead of Saati Chemicals Textil PC Blue 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 Thik Film to the mesh using the Capillary Film Method, allow screen to dry and remove backing. Apply two coats of Saati Chemicals Textil PC Blue to the squeegee side of the screen and proceed to the screen-drying step.

For all above methods, the screen can be further reinforced by applying two coats of emulsion to squeegee side of screen after initial drying.

TECH TIP: USING THIK BACKING EMULSION

Exposure can be accurately determined for any combination of mesh count/color with Thik film by using the Thik film back-coating emulsion as follows.

1. Mount Thik film to the mesh as a capillary film and then dry.
2. Apply two coats of Textil PC Blue to the squeegee side and dry.
3. Carry out a stepped exposure sequence using a range of times.
4. After developing choose the lowest time that is able to harden the blue emulsion on the squeegee side of the screen sufficiently to withstand a normal developing procedure.

INKJET FILM

SAATIJET + PROJET FILM

Saatijet is a specially coated polyester film that accepts inkjet ink without smearing. Saatijet quickly dries to produce a waterproof film positive. Water resistance is an important feature to have in a film positive considering the damp environment typical of the screen preparation area of your shop.

Saatijet provides a cost effective alternative to having your artwork done by expensive outsourced professionals. Saatijet allows any image to be transferred directly from your computer to film. The result is a durable, waterproof film positive that can be used as often as required by your printing runs.



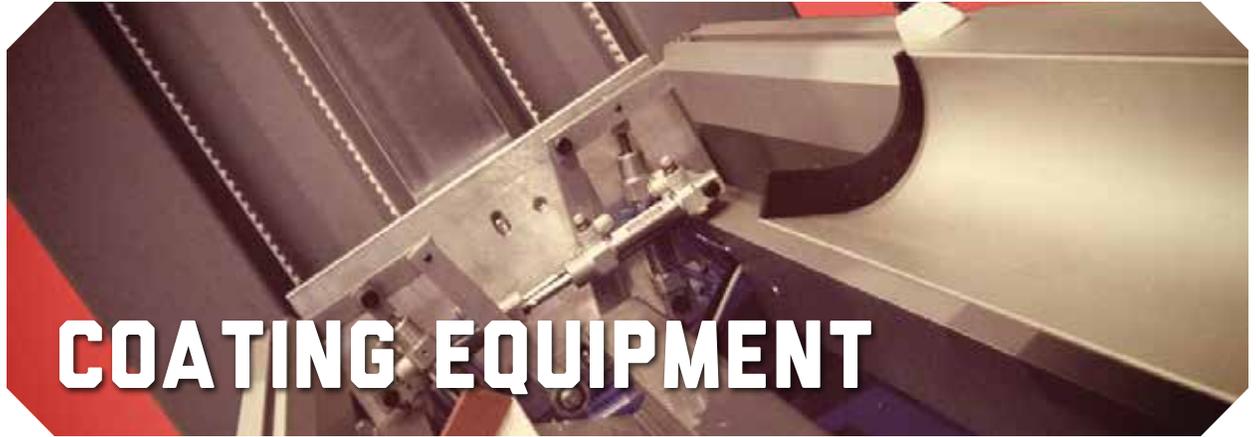
SAATIJET FEATURES

- Waterproof
- Compatible with any inkjet printer
- Dimensionally stable
- Fast drying
- Very good durability
- Works with standard ink cartridges
- Great registration accuracy

PROJET FEATURES

- 5 mil (total thickness) water proof film.
- Standard sizes available (roll)
- Receptive to dye and pigment based ink systems.
- Dmin/Dmax in line with Saatijet film (2.5+ with Accuink)
- Designed for print, shoot, & toss application
- Price competitive situation film

| 100 SHEET BOX | 100' ROLL |
|---------------|-----------|
| 8.5" x 11" | 14" |
| 11" x 17" | 17" |
| 13" x 19" | 24" |
| 17" x 22" | 36" |
| | 42" |



As specialists of screen-making and reclaiming, we have transferred our knowledge and practical expertise beyond fabrics and supplies to develop and select a line of high-quality equipment. As a supplier of equipment, our goal is to provide you innovative, state-of-the-art solutions that offer the highest accuracy, ease of use and cost effectiveness. We include only proven winners in our equipment lines.

AUTOMATIC COATING FEATURES

- Microprocessor-controlled automatic operation
- Provides the greatest number of programming capabilities (stores up to 20 programs in different models)
- Programmable selection of the number of coating passes
- Preprograms for:
 - Direct coating on one or both sides with or without heating
 - Capillary film application with or without emulsion
- Fits any frame profile including Newman Roller Frames
- Infinitely adjustable speed
- Pneumatic screen mounting
- Uniform coating trough pressure (via air cylinder assemblies)
- Smoother operation via a toothed belt drive with AC servo motor and an integral, maintenance-free safety clutch
- Innovative carriage design for precise coater movement
- Pneumatic clamps for simple screen mounting/dismounting
- Length of the coating area is adjustable
- Adjusts easily for a variety of frame sizes
- Foot controls offer easy operation by one person
- Multi-language programming

BENEFITS

- Holds closest thickness tolerance of any emulsion coater on the market
- Achieve stencil thicknesses accurate to within ± 1 micron
- Extremely smooth stencil profiles
- Coat and dry both sides simultaneously
- Repeatability from screen to screen to assure efficient, quality performance, regardless of screen size
- Filtered hot air drying
 - Dries emulsion between initial and face coats, or for final drying before exposure
 - Provides ultra precise emulsion coating for ideal Rz values, especially valuable for mesh counts 305+
- Dual coating trough edge cleaning system
 - Cleans emulsion residue automatically from all coating edges
 - Available in “wet” or “dry” versions
 - Ideal for high production, large screen formats, fine line and halftone screens
- One-person side frame loading (left or right) via a ramp.
- Frame pass-through loading
- Simultaneous coating of multiple screens
- Automatic printout of each screen's coating parameters
- Additional coating troughs (up to 160 inches)
- Hinged coating trough cover
- Capillary film applicator

INSTALLATION AND TRAINING

Installation and technical support provided by the Saati Applications Team is supported directly by factory expertise. Our two-day installation includes set-up as well as operational and maintenance training by our factory trained and certified engineers.

LEASING AVAILABLE, PLEASE INQUIRE.



Motorized frame holding device



SAATI ELITE COAT 63X55

The Saati Elite Coat coating machine produces even and exact results on small and medium sized screens, and provides economic coating at an excellent price.

This built-to-last, multiple programmable unit makes machine coating of direct emulsions affordable. It assures the coating repeatability from screen to screen which cannot be achieved by hand.

The electronic control unit enables you to program and save up to 20 coating programs. The adjustable pneumatic elements provide excellent coating, independent of screen size and mesh tension.

The Saati Elite Coat is available in one standard size and comes equipped as a 2-up for smaller screen format.

- Motorized, adjustable upper frame holder operated by foot pedals
- Coating speed; continuously adjustable from 19 to 255 inches/minute
- Automatic scrape off at the end of the coating process
- Machine complies to the present CE requirements

BENEFITS

- Attractive pricing puts machine coating in the grasp of most screen printers
- Reliable, repeatable results at a price equivalent to stretching systems

- Produces extremely smooth stencil profiles
- Achieves stencil thicknesses accurate to within ± 1 micron
- Provides repeatability from screen to screen to assure efficient, quality performance
- Designed for long-term, virtually maintenance-free use
- Coater design offers easy installation and accuracy
- Pneumatic screen mounting
- Simultaneous coating of two screens (25" x 36" maximum OD)

FEATURES

- PLC control, 20 program memory
- Fits any frame profile including Newman Roller Frames
- Programmable speed, number of coatings, and dwell
- Independent squeegee and print-side coating control
- Uniform coating pressure and precise coater movement
- Smooth maintenance-free, belt drive
- Length of the coating area is adjustable
- Easily adjusts for a variety of frame sizes
- Lower adjustable frame holder: prism, ideal for all frame profiles
- Upper frame holder: pneumatic clamps, adaptable to all frame profiles, operated by foot pedals





SAATI PRO COAT AUTOMATED COATER

The Saati Pro Coat 25x36 provides a perfect solution for the small to medium shops that think automatic coating is too expensive to justify. Now affordable consistent quality can be accomplished with this easy to use coater. It will be realized quickly that a consistent coated screen solves many of the day to day quality issues that make it to press. This machine is truly a plug and play workhorse.

APPLICATIONS

Automatically coat 1 or 2 screens up to 25x36".

CHARACTERISTICS

- Coats two screens, simultaneously front and back. Ex. two 20x24, 23x31, or 25x36 at a time
- Coats a single screen up to 50x43"
- Fully programmable
- Carriage enclosed for safety
- Simple coating troughs attachment
- 110 volt, 20 amp
- 90 psi less than 1 cfm
- 6 month warranty

FEATURES

- Easy to use touchscreen display
- Belt driven for smooth maintenance free operation
- Single program capability: set dwell, coats and speed per side
- Motorized upper carriage. Easy adjustment for different frame profiles
- Foot pedal control of upper carriage and frame clamps for easy loading and unloading of screens

BENEFITS

- Double your standard size screen coating output and maximize consistency
- Set a program and get repeatable stencils, which result in a more repeatable print

SIZE

82" x 76" x 22"

INSTALLATION

Due to the unique construction of the Saati Pro Coat machine, it is easily installed by customer. Simply connect an airline and plug-in. Easy to operate with no assembly is required.

LEASING AVAILABLE, PLEASE INQUIRE.





SCOOP COATERS

MAGI-COTE™ SCOOP COATER (MANUAL)

This specially designed anodized-aluminum scoop coater has two different coating edges. This offers the user more versatility and control of the stencil thickness. One edge is sharp for depositing thin emulsion coatings, the other is thicker and more rounded for depositing heavier emulsion coatings.

The scoop coater is made of precision-extruded aluminum with a corrosion-resistant anodized finish, making cleanup easy. The end caps are removable for

more convenient and thorough cleaning, but are not interchangeable. The scoop coater is easy to reassemble by using the diagram of the coating edge cross section embossed on the inside of each end cap. (The cross section showing a circle corresponds to the sharper edge, while the cross section without the circle corresponds to the rounder edge.)

AVAILABLE FROM STOCK CUT TO LENGTH, UP TO 118".

EXTRA END CAPS AVAILABLE SEPARATELY.



One edge of the Magi-Cote is sharp for depositing thin emulsion coatings, while the other is more rounded for heavier emulsion coatings.

NOTE: Scoop coaters are measured and priced by their outside dimensions, including the end caps. End caps are 1/8-inch thick each, which creates a 1/4-inch inside coater dimension difference.

HARLACHER/Q-LUX COATING TROUGHS

(For automatic coating machines)

This specially designed anodized aluminum coating trough is interchangeable with any version Harlacher or Q-Lux Coating machine. Made of precision extruded aluminum, then anodized, these troughs clean-up easily with water.

Typically sold in pairs, front and back. The end caps are color-coated; red for the squeegee side and black for the print side. The front trough normally measures 1" larger than the back trough. Custom sizes and endcaps available. Materials in stock with standard delivery less than a week. Standard lengths up to 118 inches.

CUSTOM LENGTHS UP TO 160 INCHES ARE AVAILABLE.





TOWER SCREEN DRYING CHAMBER

Named "The Tower" for its ample screen capacity. This innovative dryer incorporates a roll-in rack design answering the need for more volume in your drying chamber. It is a real production booster. When ordered as a two-sided pass-through unit, it provides safe, convenient service to both your coating and exposing areas. It has never been as easy to set up a maximum efficiency and flexible screen production drying area.

Depending on your screen capacity and screen processing layout needs, this versatile drying chamber is available in several configurations; from a one to four-door model. Depending on the size of your screens and the unit chosen, the Tower Drying Chamber can accommodate from 40 to 120 screens.

FEATURES

- Available as a two-sided, pass-through unit or one-sided "closed" unit
- Available as a double or single bay unit
- Optional UV safelight coating on one or both sides
- High-capacity, roll-in screen racks
- Side-to-side air flow created by forcing air in a circular pattern behind offset assemblies
- Louvered ducts serve to deliver air; approximately 1/3 air volume exchange per minute
- Digital temperature indicator
- Manual ON/OFF or drying time can be set on an automatic timer
- Constructed of heavy-duty polished stainless steel
- 3/16-inch thick UV safelight polycarbonate door panels in black anodized extruded aluminum frame

- Continuous magnetic gasket seals secure both doors preventing air leakage
- Doors swing 180 degrees, stay open beyond 90 degrees and self close under 90 degrees
- Easy-grasp door handles
- Incoming air filtration down to 10 micron particle size

BENEFITS

- Thorough, high-efficiency screen drying
- Uniform chamber temperature
- Ultimate flexibility in drying set-up
- Pass through design serves as its own protective barrier between your screen and production areas
- Screens ready for exposure will not be contaminated or subjected to moisture from coating



COMPACT SCREEN DRYING CHAMBER

The Compact Screen Drying Chamber is a state-of-the-art, small format screen dryer for optimizing the life of your stencils. Extended stencil life through precisely controlled drying is provided by this exclusively designed, horizontally-loaded, stainless steel screen holder.

The Compact Screen Drying Chamber is designed to our exclusive specifications, assuring superior performance and the highest efficiency. A uniform temperature and airflow is provided throughout the chamber by our unique circulating, three-times per minute, heat exchange assembly. The unit directs heated, filtered air from the top of the unit through side vents over the screens. The bookshelf style will dry both sides of your screens equally.

The Q-Lux Compact Chamber is designed for easy horizontal loading of screens after degreasing stencil application or image development.

FEATURES

- All stainless steel construction for heating efficiency and durability
- Re-circulating baffled heat exchange for temperature uniformity throughout the chamber
- Heated airflow from side vents ensures uniform and thorough screen drying

- Incoming air filtration down to 10 micron particle size
- Programmable operation. Digital temperature indicator with manual and automatic timer controls.
- Positive, magnetic-locking of drying chamber and storage module doors
- Bench-top model or free-standing with light-tight storage and shelf underneath
- Standard stainless steel slide-in "bookshelf" frame rack
- Economical 1500 watt heaters with dual cross-flow fans for superior air circulation

BENEFITS

- Precise control of air flow and temperature provides rapid drying, assuring good stencil hardening and adhesion
- Screen throughput increased by efficient drying of unexposed stencils
- Significantly reduces exposure, developing and printing problems caused by changing humidity levels in screen-making and printing areas
- Better screen processing through closely controlled drying
- Stencil life extended because the stencil is thoroughly dry before exposure and printing
- Reductions in rejects and touch-up caused by dust contamination

LEASING AVAILABLE, PLEASE INQUIRE.

SCREEN RACK

A convenient, space-saving and portable means of drying and storing your screens. Constructed of aluminum with riveted and welded reinforcement, the rack rolls on 5-inch diameter hard rubber casters.

AVAILABLE IN TWO MODELS CUSTOM-BUILT TO ACCOMMODATE YOUR O.D. FRAME SIZE UP TO 60-INCHES. FOR LARGER SIZES, PLEASE INQUIRE.

SCREEN RACK SPECIFICATIONS

| | NUMBER OF SHELVES | SPACE BETWEEN SHELVES | HEIGHT |
|----------|-------------------|-----------------------|--------|
| Model 20 | 20 | 3" | 68" |
| Model 30 | 30 | 2" | 68" |





ENVIRONMENTAL TOOLS

Before you begin stencil making, you must ensure that your shop is a safe environment for the UV-sensitive materials you are working with. Environmental light affects emulsion shelf life, resolution and definition during developing, and even the ease of reclaimability. With a combination of SAATI technical expertise, Yellow LED Safelight and environmental checks using Blue Light Safe Glasses, you can eliminate out light contamination when evaluating the quality of your screens and screenmaking processes.

YELLOW LED SAFELIGHT

Yellow safelight for screen stencil making areas.

CHARACTERISTICS

- High intensity illumination won't inhibit work
- Pure yellow light is 100% safe with no effect on any stencil material
- Low power consumption of only 7W
- Standard light socket fitting



SAATI TQM BLUE LIGHT SAFE GLASSES

Safelight glasses to allow easy detection of stray actinic light sources that can pre-expose screen stencil materials.

- Cobalt Blue for maximum sensitivity as "darkness detectors"
- Easily identify actinic light intrusion and then eliminate the sources
- Prevent fogging and pre-exposure of screens that causes developing problems and loss of image detail



WHAT YOU SEE IN WHITE LIGHTING



WHAT YOU SEE IN SUFFICIENT YELLOW SAFE LIGHTING



BLUE LIGHT CONTAMINATION THAT IS PARTIALLY EXPOSING SCREENS



HARMFUL LIGHT WAVELENGTHS ARE ALMOST COMPLETELY ELIMINATED IN THE AREA



SAATI PRO-LITE 300-MULTI L.E.D. EXPOSURE LAMP

DESCRIPTION

300W 405nm LED exposure lamp

APPLICATION

Designed to efficiently expose screen printing stencils

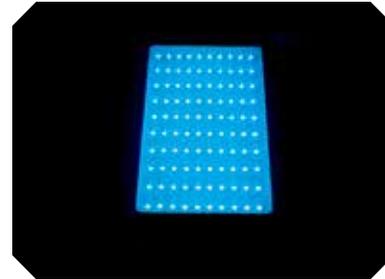
CHARACTERISTICS

- High intensity with even illumination
- Instant start to full power
- 10,000 hour lifetime rated
- Works with all one & two part emulsions, and stencil films
- Efficient low cost replacement for expensive metal halide systems



FEATURES/BENEFITS

- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, glass stays cool and no extra a/c load
- Constant light output, no photocell/filter/light integrator calibration needed, just a simple timer
- 85V-265V rated and works with any 110V outlet



SPECIFICATIONS

- High intensity with even illumination
- Instant start to full power
- 10,000 hour lifetime rated
- Works with all one & two part emulsions, and stencil films
- Efficient low cost replacement for expensive metal halide systems

SAATI PRO-LITE 450 L.E.D. EXPOSURE LAMP

DESCRIPTION

450W 405nm LED exposure lamp

APPLICATION

Designed to efficiently expose screen printing stencils

CHARACTERISTICS

- Point light source
- High intensity
- Instant start to full power
- 10,000 hour lifetime rated
- Works with all one & two part emulsions, and stencil films
- Efficient low cost replacement for expensive metal halide systems



FEATURES/BENEFITS

- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, glass stays cool and no extra a/c load
- Constant light output, no photocell/filter/light integrator calibration needed, just a simple timer
- 85V-265V rated and works with any 110V outlet



SPECIFICATIONS

- Dimensions: 30"Wx11.5"Hx5.5"D (9.5" including wall bracket)
- Weighs 29 lbs.
- Uses 110v standard wall outlet



SAATI PRO-LITE 450-SCX EXPOSURE UNIT

DESCRIPTION

Self-contained, high efficiency LED screen exposure system, with programmable timer and one-touch operation.

APPLICATION

Designed to efficiently expose screen printing stencils

CHARACTERISTICS

- Compact space saving design
- High Intensity LED with reflector
- Automatic one-touch operation
- Works with all one & two-part emulsions and stencil films
- No heat, with low power consumption & 110V operation

FEATURES/BENEFITS

- 405nm high intensity LED with customized reflector - even coverage and sharp stencils at super fast exposure times
- Touch screen control with programmable App - fast & easy set-up and multiple preset exposure times
- Automatic operation pulls vacuum then starts & stops exposure - load screen, press start & walk away
- Instant start to full power & constant light output - consistent exposures and durable screens
- 10,000+ hour lamp life and easy, low cost, blanket replacement - durable, dependable & low maintenance performance

SPECIFICATIONS

- Maximum frame size 25" X 36"
- Overall dimensions (W x D x H) 42.25" x 34.75" (39.25" incl. control panel) x 33.25" (36.5" incl. casters)
- Weight 167lbs
- Electrical requirements 85 - 265V with 450W power consumption.
- Two year limited warranty including parts (excluding glass, blanket & tablet)



FOR SAATI VIDEO TUTORIALS:

SEE THE SAATI PRO-LITE 450SCX AND VARIOUS SAATI CHEMICALS PRODUCTS IN USE ON OUR YOUTUBE CHANNEL

[HTTP://YOUTUBE.COM/USER/SAATIPRINT](http://youtube.com/user/saatiprint)



OLITE® METAL HALIDE SCREEN EXPOSURE SYSTEM

The leading high-intensity light source offering fast, efficient and exceptionally uniform exposures for sharp, durable stencils. A major Olite advantage is the computer-designed reflector. It assures uniform coverage without fall-off over large frames, eliminating hot spots. In addition, it solves the problem of light undercutting, along with the unit's targeted "Spectramatch" (360 to 420 nanometers) bulbs and high intensities. The special Olite reflector spreads the light in a parallel pattern (collimates) instead of diffusing it like other units.

Compact, easy and economical to use. Service-free rotary shutter. Efficient CW (consistent wattage) ballasts for high UV output with the lowest power consumption. No startup surges and low stand-by power. Fast start and restart. Long equipment life and consistent exposures maintained through controlled electronic cooling and protective circuitry.

Regardless of bulb age or exposure distance, Olix Advanced Integrators assure consistent exposure times. Instead of metering seconds or minutes, the vacuum frame-mounted photocell measures the amount of light-energy output.

WARRANTY

Two years including parts (excluding glass parts and bulbs) and labor.

LEASING AVAILABLE, PLEASE INQUIRE.

OLITE IS A REGISTERED TRADEMARK OF OLEC CORPORATION

OLITE METAL HALIDE SPECIFICATIONS

| MODEL | AL 53 | AL 83 |
|-------------------------------|--------------------|--------------------|
| LIGHT OUTPUT | 5,000 watts | 8,000 watts |
| POWER SETTINGS (HI, MED, LOW) | 5k, 2k, 1k | 8k, 3.5k, 2k |
| LAMP TYPE DUAL-SPECTRUM | L1250 Spectramatch | L1280 Spectramatch |
| VOLTAGE | 208/240 volts | 208/240 volts |
| PHASE | 1 | 1 |
| CURRENT | 25 amps | 42 amps |
| DIMENSIONS LAMP HEAD | 26"x10"x10" | 26"x10"x10" |
| POWER SUPPLY | 28"x12"x10" | 28"x12"x10" |
| SHIP WEIGHT | 186 lbs. | 186 lbs. |





DOUTHITT DIRECT METHOD SCREEN MAKER MODEL DMA

With self-contained Theimer Violight printing lamp. Safe – Fast – Pollution-Free

FEATURES

Complete 3000 watt Metal Halide printing lamp assembly. Shorter exposures, pollution-free and longer bulb life with no fall off. This lamp is the ideal light source for screen type emulsions. It has an exclusive glass down design: Simply load, close, expose. No limit to height of frame with special Douthitt "Deep Draw" black blanket. Under vacuum, blanket swiftly molds itself to the shape of the screen frame, holding your positive in perfect contact. The blanket is secured to structural steel tubing and the blanket frame is raised and lowered by sliding toggle.

- Heavy duty pump and motor
- Cooling fans insure against excessive heat build-up
- Heavy optic clear A-1 select glass anchored to structural steel tubing to withstand pressure of the heaviest screen frame under vacuum
- Heavy duty digital automatic reset timer
- Built-in safety features:
 - Shutter on the lamp cannot be opened when the blanket frame is in a raised position
 - If front access door is opened, all power is cut off
 - No exposed printing rays
- Bleeder valve

- Instrument panel conveniently mounted on side of unit with the following – Vacuum switch, vacuum gauge, digital timer, bleeder valve
- All heavy gauge metal construction
- Finish is easy to clean, long wearing epoxy enamel
- Vacuum automatically cancels after exposure

OPTIONAL ACCESSORIES

- 5000 watt Metal Halide printing lamp assembly instead of standard lamp
- Douthitt Heavy Duty Model 26 silent air pump instead of standard pump and motor (this pump requires compressed air)
- Douthitt Heavy Duty Model Magic 83 combination light integrator and digital timer in lieu of timer. Integrator comes complete with vacuum time delay for one button automation.

ELECTRICAL SPECIFICATIONS

- 230 volt, single phase, A.C. maximum amperage– 3000 watt model 25 amps, 5000 watt model 35 amps



TECHNICAL SPECIFICATIONS

| INSIDE BLANKET BEADING SIZE | FLOOR SPACE | CRATING WEIGHT |
|-----------------------------|-------------|----------------|
| 31 x 41 | 40 x 56 | 500 lbs. |
| 37 x 47 | 46 x 52 | 600 lbs. |
| 42 x 52 | 51 x 67 | 700 lbs. |
| 52 x 52 | 61 x 67 | 850 lbs. |
| 46 x 60 | 55 x 75 | 875 lbs. |



DOUTHITT HEAVY DUTY DUAL CONVENTIONAL/ CTS EXPOSURE UNIT – MODEL DMA

Combines all the advantages of our Model DMA with the ability to bypass the glass & blanket for CTS exposures

FEATURES

- Complete Olite AL53 Tri Level 5000 Watt metal halide printing lamp
- Standard unit exposes (2) 23" x 31" or (2) 25" x 36" frames or combination of both at once
- Conventional Glass down design. Simply load, close and expose.
- Rack to load screens so glass & blanket can be easily bypassed for exposure which yields shorter exposure times and does not effect "jetted ink" image on screen

- Douthitt heavy duty 10 channel model Magic 83 combination light integrator and digital timer complete with photocell
- External exhaust fan for proper cooling and ventilation
- Easy to operate
- No exposed printing rays
- Available for any size screen
- Optional AL83 Tri Level 8000 Watt metal halide printing lamp

ELECTRICAL SPECIFICATIONS

- 230 volt, single phase, A.C. maximum amperage—3000 watt model 25 amps, 5000 watt model 35 amps

TECHNICAL SPECIFICATIONS

| | | |
|----------------------|-----------|-----------|
| SCREEN SIZE | 23" X 31" | 25" x 36" |
| MODEL | AL53 | AL53 |
| CRATING | No Charge | No Charge |
| APPROX WEIGHT | 700 lbs. | 700 lbs. |





DOUTHITT SCREEN MAKER MODEL DMZ

Finger tip control of blanket frame is achieved by exclusive, patented spring and fulcrum system that also clamps automatically.

FEATURES

- Complete 5000 Watt metal halide printing lamp assembly Glass down design. Simply load, close, expose
- No limit to height of screen because of special Douthitt "Deep Draw" black blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- Douthitt Heavy Duty Model Magic 83-10 memory combination light integrator and digital timer
- Automatic operation: Vacuum delay and light exposure activated by closing the frame
- Cooling fans ensure against excessive heat build-up
- Heavy duty pump and motor Instrument panel conveniently mounted on the side of the unit
- All heavy-gauge metal construction
- Large convenient access door on left side of unit

OPTIONAL ACCESSORIES

- Douthitt Heavy Duty Model 26 silent air pumps, instead of standard pump and motor (this pump requires compressed air)
- 8000 Watt metal halide printing lamp assembly instead of standard lamp

ELECTRICAL SPECIFICATIONS

- 230 volt, single phase, A.C. maximum amperage— 3000 watt model 25 amps, 5000 watt model 35 amps

TECHNICAL SPECIFICATIONS

| INSIDE BLANKET BEADING SIZE | FLOOR SPACE | CRATING WEIGHT |
|-----------------------------|-------------|----------------|
| 53 X 66 | 65 X 82 | 1,100 LBS. |
| 66 X 74 | 79 X 92 | 1,400 LBS. |
| 68 X 80 | 82 X 96 | 1,900 LBS. |
| 68 X 89 | 82 X 105 | 2,200 LBS. |





QUALITY CONTROL DEVICES



QUALITY CONTROL DEVICES

ROUGHNESS GAUGE POCKET SURF 3

The Pocket Surf III Surface Meter is a pocket-sized, battery-operated roughness gauge. It measures stencil and substrate surface roughness parameters in Ra, Rmax and Rz with digital readout.

The Pocket Surf III is solidly built with a durable cast aluminum housing for years of accurate surface measurements.

Its digital display is conveniently located on top of the device for optimum visibility.

FEATURES

- General purpose probe with 0.0004"/10 micron radius
- Offers three traverse lengths
- Supplied with a certified reference specimen, riser plate, battery and custom-fitted protective case
- Easy-to-read liquid crystal display (LCD) presents the measured roughness values in micrometers or micrometers
- Out-of-range (high/low) and battery low warning signals
- Serial output for Statistical Process Control (SPC)

When you measure quality at every stage of screen production and on press, you take control of the many variables in screen making and printing. Most importantly, you have the means to the consistency and repeatability that will boost your screen printing productivity and profitability. Saati brings you the most comprehensive selection of highly accurate, yet easy-to-use instruments to monitor and confirm screen quality at each step.

As specialists in screen-making products and innovators in QC devices, we've made sure that these instruments are practical, affordably priced, durable enough for continuous use and simple to operate.

BENEFITS

- Economically priced
- Fast and accurate; measurement produced within a half-second of traversing the surface
- Provides a measurable indicator of how efficiently the print side of the stencil controls edge definition
- An acceptable Rz value assures proper gasketing of the stencil to the substrate, and controls the ink flow

OPTION

- Power transformer to replace battery operation

TENSION METERS



NEWMAN ST-METER® 1-E

A uniquely constructed, heavy-duty mechanical tension meter that assures durability and long-term accuracy in monitoring screen tension. It is the only meter in the world with all stainless steel hardened gears, shock-proof industrial grade internal gear movement and all jeweled sapphire bearings.

A screen tension meter of exceptional quality, it will last longer and produce consistent readings every time.

(All other mechanical meters have non-compound softer brass gears and bushing, greatly reducing their shock-resistance, long-term accuracy and life.) The crystal is shatterproof and curved to avoid glare. The heavy-duty protective aluminum housing is the most durable meter made anywhere. The modular construction assures easy and inexpensive repairs, if necessary.

FEATURES

- Shock-proof unitized internal gear movement
- Eight sapphire jeweled bearings
- Six compound hardened stainless steel gears
- Also available in kilograms/meter
- Direct reading in N/cm, $\pm 1\%$ accuracy
- Shatterproof crystal
- Heavy-duty protective aluminum housing
- The only bi-directional screen tension meter manufactured in the United States
- A calibration plate is provided with each meter, and is packaged in a protective carrying case.

NEWMAN ST-METER IS A REGISTERED TRADEMARK OF STRETCH DEVICES, INC.

NEWMAN ST-METER® 2-E

The tolerance of the 2-E is $\pm 2N/cm$ versus the 1-E, which is $\pm 1N/cm$. The 2-E uses non-jeweled bearings in a similar silver color cast body, but is still certified to ASTM Standards like the 1-E.



THICKNESS GAUGE TQM™ ETG™

TQM Electronic Thickness Gauge (ETG) is the only thickness gauge that calculates the difference between the fabric and emulsion thicknesses automatically. It is the choice for the screen printer looking for a practical, compact and easy-to-use thickness gauge for quality control purposes. Its uses include screen mesh and stencil measurements, as well as substrate and cured ink film measurements. The ETG works on the principle of magnetic induction, and is used in conjunction with a small, hand-held test plate. The coated mesh sample is placed between the measuring probe and the test plate. The micron or mil measurement is displayed immediately.

The TQM ETG unit does not normally require calibration before use. However, the unit is supplied with calibration shims to confirm instrument accuracy or to measure unusually thick or curved samples. For those requiring conformance to very tight quality controls, the TQM ETG can be ordered with an optional Certificate of Calibration to NIST standards.

FEATURES

- Digital accuracy of $\pm 1\%$
- Also measures dry ink thickness on substrate
- For use on polyester, nylon or stainless steel mesh
- Measures automatically in mils or microns
- Factory-installed, custom-fit probe system means all models are calibrated and shipped ready-to-use
- Automatic shut-off after 7 minutes of non-use
- Automatic low battery shut-off eliminates invalid readings
- Heavy-duty carrying case

BENEFITS

- No more guesswork
- Time-saver
- Very simple to use
- Provides an automatic calculation of the difference between the fabric and emulsion thicknesses
- Economical, yet with accuracy equal to or better than higher-priced models

OPTIONS

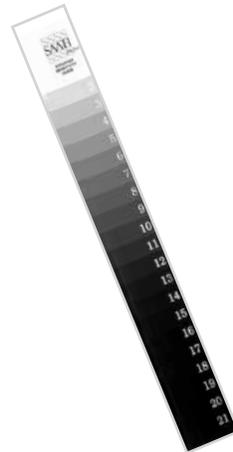
- Certificate of Calibration to NIST standards for quality control or ISO 9000 compliance
 - programs – Bi-yearly calibration program,
 - based on instrument inspection
- Spare parts available: ETG base plates and ETG calibration foils

EXPOSURE GUIDES

SAATI 21-STEP SENSITIVITY GUIDE

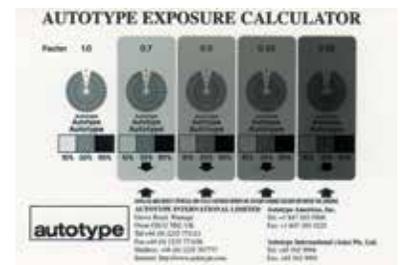
This is the exposure guide of choice for accuracy, ease of use and all-purpose application. With the Saati guide, there is no guesswork or complicated interpretation. It is a more precise tool than the gelatin/density type exposure calculators, and unlike competitive products, it can be used on all stencil types and all mesh counts. (Other exposure guides are not compatible with pure photopolymer stencils, and do not perform as well on coarse mesh.)

Our 21-step guide is also much smaller (1/2" x 5 1/4"), so it can be used on all production screens. The Saati Sensitivity Guide is a film containing a transmission type density scale with 21 steps ranging from transparent to opaque. (1 = zero density. 21 = solid black.)



DIRECTIONS

Place the Saati 21-Step Sensitivity Guide on the screen. Optimize your exposure so that when washing out the image, you are left with 7 solid steps.



AUTOTYPE EXPOSURE CALCULATOR

An all-in-one test positive to help you determine the best exposure time. The calculator's series of incremental gray neutral filters provides five exposure values with just one test exposure. Select one for the best stencil thickness, color/hardness and definition.

Features include a 65-line screen ruling and halftone dots in 10, 50 and 90% areas. Also, the edge definition/resolution targets have a break and very fine type to assist your interpretation. A complete instruction guide is provided with each calculator.



QUALITY CONTROL DEVICES



PEAK WIDE STAND MICROSCOPE

The Peak Wide Stand Microscope is a simple measuring microscope designed to be compact and light weight, but characterized by a wider field of view than that of the conventional microscope. It allows not only to

provide magnified view of fine pattern and contour of objects, but also to measure length and compare dimension by using a scale included in the eye-piece. Has a helicoid focus mechanism.

The Peak Wide Stand Microscope will be useful not only for the general observation but also for improving accuracy in precision machining and securing uniform quality in the inspection process.

By reading the scale engraved on the focusing ring and the main needle of the lens barrel, depths can be measured with the accuracy of 0.1mm. There are 100 of these divisions. Depth is measured by focusing on two different depths and measuring the change in divisions between the two focusing points.

This microscope is convenient for measuring the thickness, height or depth of subjects having different levels and for measuring the depth of print cylinders and printing plates, copper plates.

Threaded Base:

Pitch = 1mm, Diameter = 41mm

SPECIFICATIONS

| MAGNIFICATION | 60X | 100X |
|---------------------|------------------------------------|-------------------------------------|
| FIELD OF VIEW | 2.4 MM Ø | 1.45 MM Ø |
| MIN. SCALE DIVISION | NO. 74, 0.02 mm NO. 77, 0.0001" | NO. 84, 0.01 mm NO. 87, 0.00005" |
| MEASURING RANGE | 2.0 mm 0.078" | 1.2 mm 0.047" |
| WORKING DISTANCE | 10.8 mm | 5.7 mm |
| NUMERICAL APERTURE | 0.15 | 0.19 |
| FOCAL DISTANCE | 16.5 mm | 10.7 mm |

ACCUMAX RADIOMETER

AccuMAX meters are designed for maximum versatility, and offer a variety of features for measuring both ultraviolet and visible light sources. They provide accurate readouts for UV irradiance, visible illuminance or luminance light readings. When equipped with an interchangeable sensor detector, AccuMAX readout units can be used to perform fluorescent inspection (intensity check through normal operation) and UV dosing (energy check through integration operation). Both the XR-1000 and XF-1000 readout units feature a sleek design and rugged housing, maximum 4-digit autoranging display and an easy-to-read 3 inch monochrome LCD screen with icons and alphanumeric display. AccuMAX readout units are housed in durable polycarbonate and are lightweight, batteryoperated and portable. They feature solid-state electro-optical circuitry for long, trouble-free operation and minimal maintenance. A removable, rubber protective boot for the meter is included.

FEATURES

- Four side-by-side buttons provide for easy operation of user-intuitive interactive functions
- Menu-driven, user-selectable settings; customized visible units of measurement in choice of foot-candles (fc), lux, lm/ft² or lm/m²
- LCD screen displays meter status, battery power level, light intensity, wave type readings and user-available functions
- Multiple-function control of main operational modes: absolute data/normal, autozeroing and integration
- Multifaceted light level reading and access to additional features (peak, hold and back screen) embedded within main operational modes
- Integration (INTG) mode sums up cumulative ultraviolet light exposed to sensor over an interval of time – useful for UV dosing applications



AQUA CHECK

The only stencil moisture meter, the TQM Aqua-Check determines when the stencil is dry enough to expose. Our exclusive TQM Aqua-Check meter detects hidden moisture instantly. It is a fast and accurate measurement that prevents you from taking chances with your stencil. The battery-operated contact meter provides direct readings of the residual moisture content in coated (and dried) screens to ultimately prevent pinholes and premature stencil breakdown. If a screen is not dried thoroughly before exposure, it will not harden effectively, and is therefore vulnerable to these deficiencies. The Aqua-Check's modest cost can save you big outlays in press downtime and stencil remakes. For use on polyester and nylon screen mesh.

There is no guesswork. Simply hold it against the emulsion or film surface and press the "READ" button for 2 seconds. Look at the dial. Red for trouble ahead. Orange for risky. Green for go!

INSTRUCTIONS FOR USE

The TQM Aqua-Check meter is placed directly on the surface of the emulsion. With a press of the button, the percentage of retained moisture content is displayed on the easy-to-read dial. The dial's color-coded fields simultaneously translate the reading quickly and effortlessly, indicating whether the screen has reached optimum dryness or requires further drying before exposure.

A reading in the green field (less than 4%) indicates optimum dryness and assures a very durable stencil, assuming the exposure time is correct. Yellow (4-6%) indicates marginal dryness; a deterioration of the wet stencil strength is noticeable during washout and pinholes are more plentiful. This is most critical for fast-exposing emulsions, which use a low diazo level in order to produce shorter exposure times. Red (greater than 6%) indicates insufficient drying where improved drying is required. Above a 6% moisture content,

most emulsions will produce soft stencils regardless of exposure time, threatening breakdown on press. This may not be a problem for printing plastisol or solvent-based inks, depending on the run length, but will be a problem when printing water-based inks.





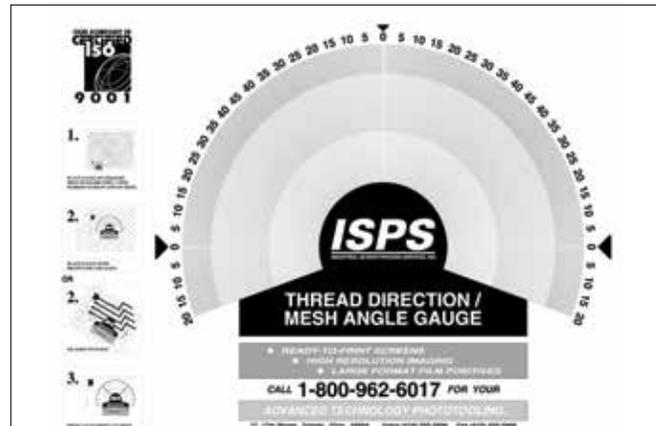
ANGLE DETERMINER

The ISPS Thread Direction/Mesh Angle Gauge is a quick and easy way to reference the mesh angle on any screen, eliminating the guesswork caused by unmarked screens especially in 4-color process printing. In addition, the gauge is very helpful in diagnosing moiré issues caused by screens or films.

- Can be used on coated and uncoated screens, as well as film

DIRECTIONS

- Use gauge by laying it directly on the screen or film. A moiré pattern appears on the tool at the angle it sees.



The durometer gauge measures and identifies squeegee hardness instantly and accurately.

REX H-1000 DUROMETER GAUGE

FOR ACCURATELY MEASURING SQUEEGEE HARDNESS

The Rex H-1000 Mini-Dial Durometer is both compact and easy to use. Its small dial face and included leather clipon carrying case make it easy for an inspector to carry the gauge for work around the shop, or out in the field. The H-1000 durometer holds the maximum reading, until reset by pressing the button at the top of the gauge. The max-hold feature and small dial size make the H-1000 a good choice for hard to reach places, or for out of sight testing.

CHARACTERISTICS

- Small face (1.675" Diameter)
- Easily fits into your pocket or clipped on belt
- Increment of 1 from 0-100
- One year warranty
- Furnished with a leather carrying case
- Conforms to ASTM D-2240 and NIST Traceable

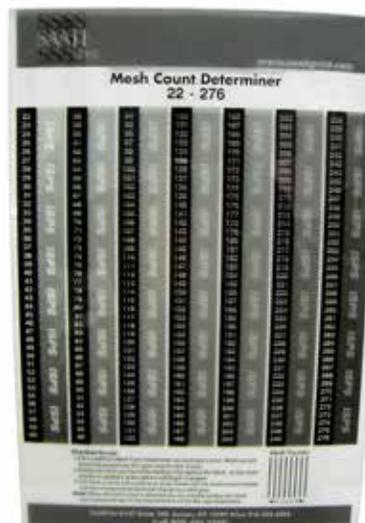
MESH COUNTER

SAATI Printing Division's mesh count determiner is a fast and easy way to verify your mesh count. Can be used on stretched and unstretched fabric, with or without a stencil.

You can accurately count the number of threads per inch within +/-2 TPI on mesh counts ranging from 22-528. This is accomplished by placing one of the 2 included films (22-276TPI and 274-528TPI) onto your fabric and rotating the film until the moire pattern appears next to the mesh count.

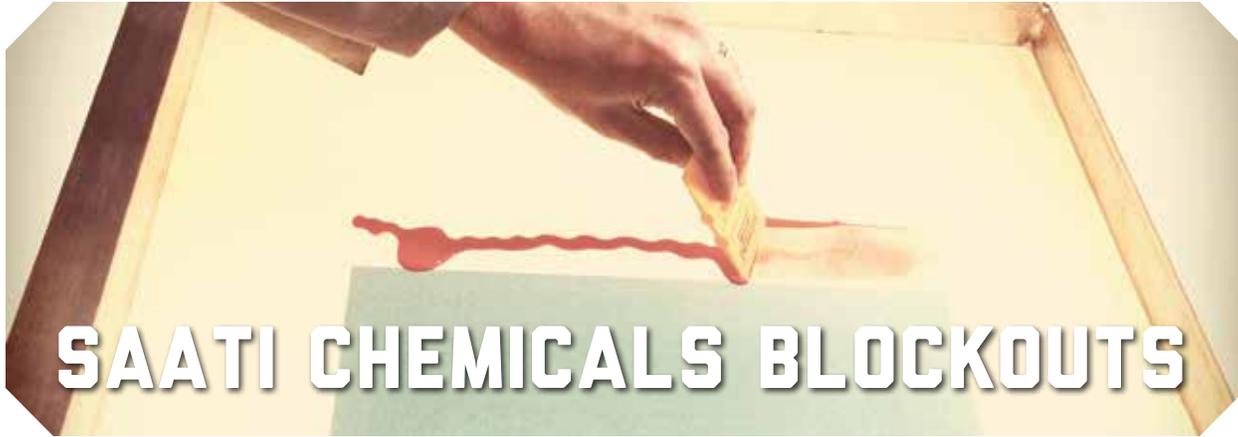
FEATURES

- Save down time by eliminating mismarked frames in your inventory
- Confirm incoming frames from outside vendors
- Reduce moire by matching frames of similar thread count
- Can also be used on halftone films to determine if the LPI is correct





SAATI CHEMICALS BLOCKOUTS



Saati Chemicals Finish blockouts/screen fillers offer both high performance and user friendliness. Finish blockouts contain no solvents and provide increased filling power. All have pleasant-smelling formulations and are non-hazardous and biodegradable. Finish blockouts spread smooth and uniformly for optimum drying and filling. Use to cover open mesh areas and pinholes.

FINISH S1

OUR MOST POPULAR AND ECONOMICAL BLOCKOUT

- Red, water-based liquid blockout
- For use with solvent-based, UV-cured, and plastisol ink
- Remove with water

FINISH S2

INCREASED FILLING POWER

- Blue, water-based liquid blockout
- Increased filling power and more resistance to breakdown in high-stress printing such as with cylinder presses
- For use with solvent-based, UV-cured, and plastisol ink
- Remove with water

FINISH S3

HIGHEST VISCOSITY FINISH S PRODUCT

- High viscosity version of Finish S2
- For optimum results on low mesh count screens

FINISH W1

*UNIQUE RECLAIMABLE, WATERBASED BLOCKOUT
RESISTANT TO WATER AND SOLVENT*

- Unlike other water-based blockouts, offers superior water resistance simply upon drying
 - Resistant to water-based, plastisol, UV-cured and solvent-based ink
 - Very high solids content offers increased durability
 - Can be removed with emulsion reclaiming chemicals and a pressure washer
- FINISH BLOCKOUTS ARE AVAILABLE IN 1-QUART, 1-GALLON, 5-GALLON AND 50-GALLON CONTAINERS.*

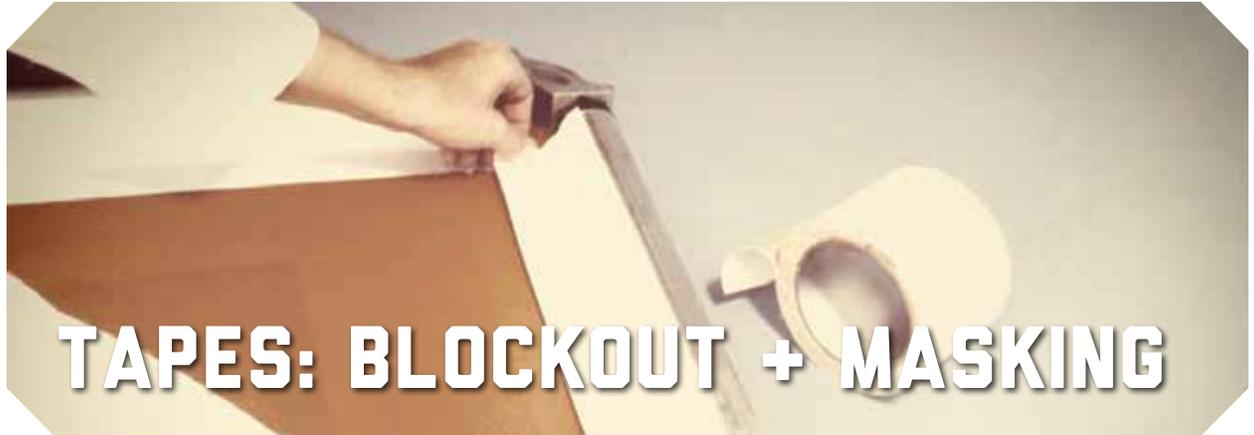
FINISH SU-1 A+B

*TWO COMPONENT POLYURETHANE LACQUER WITH
PERFECT ADHESION TO EMULSION AND FABRIC*

- Used for reinforcing engraved screens
- Can be used to make permanent screens with negative reverse process
- Completely cures in 24 hours to produce waterproof stencils with high chemical resistance
- Replaces TK23 & RD26 screen coating resist

POLY SQUEEGEE (SCRAPERS)

AVAILABLE IN 2-INCH AND 6-INCH SIZES.



BLOCKOUT/MASKING TAPES

CLOTH-BACKED ADHESIVE TAPE

This very durable, plastic-coated tape produces a strong bond and excellent solvent and water resistance. Its backing is polyethylene-coated cloth. Constructed with an extra heavy layer of natural rubber adhesive, it endures numerous screen recyclings. Originally designed for demanding industrial applications such as construction and waterproof packaging, our cloth-backed adhesive tape is extremely durable.

AVAILABLE IN 2-INCH AND 3-INCH WIDTHS ON 60-YARD ROLLS. QUANTITY DISCOUNTS ARE AVAILABLE ON SINGLE OR MULTIPLE CASES (2" WIDTHS, 24 ROLLS/CASE, 3" WIDTHS, 16 ROLLS/CASE).

MAGI-BLUE™ TAPE (R TAPE)

A blue solvent-resistant, polymer tape that is backed with Mylar plastic and used mainly as a blockout tape. Magi-Blue Tape will not leave an adhesive residue when removed from the screen. It is resistant to all solvents, alcohols and acids.

AVAILABLE IN A 2-INCH WIDTH ON 36-YARD ROLLS (36 ROLLS IN A CASE) AND IN A 3-INCH WIDTH ON 36-YARD ROLLS (24 ROLLS IN A CASE). QUANTITY DISCOUNTS ARE AVAILABLE.

SAATI PRO TAPE

Orange translucent Polyethylene tape

- Available in 1.5", 2", 3", and 4"
- Solvent resistant adhesive
- Wound onto Plastic cores
- Replacement product for red blockout tape

SPLIT-LINER TAPES

BLUE + WHITE LINER TAPE

Designed for metal and wood frames. Color-coded, the white area contains the adhesive, while the blue is a non-adhesive area. Of its 4" width, 2 1/2" are adhesive backed, while the remainder has a predominantly non-adhesive backing. However, intermediate 1/4"- wide strips are placed approximately every 2" within this non-adhesive area to attach the tape securely to the frame, and still allow easy removal.

AVAILABLE IN A 4" WIDTH ON 60-YARD ROLLS (18 ROLLS PER CASE).

WHITE SPLIT-LINER TAPE

A durable white split-liner polyethylene tape with the same proven adhesive as Saati's Magi-Blue Tape. To use, peel off one-half of the liner and adhere this exposed half around the inside perimeter of the screen. Then apply the lined-half of the tape against the frame rails, forming a dam against ink penetration. Screen retensioning can occur with the White Split-Liner tape in place. When removal is desired, it peels off easily in one pull and leaves no adhesive residue.

AVAILABLE IN 2-INCH AND 3-INCH WIDTHS ON 55-YARD ROLLS. ALSO AVAILABLE AS CLEAR TAPE.

TEXTILE PALLET/PLATEN PROTECTION TAPES

4300 SERIES + 4350 SERIES

This tape is used as a protectant of the pallet or platen, with spray adhesive used over it. Instead of wiping down the pallet periodically to remove lint with solvents, an initial layer of protective sheeting is placed on the pallet. Once there is a considerable buildup of lint affecting print quality, simply pull off one sheet and instantly you have a clean surface again. Depending on the type of shirt, especially fleece, lint can build-up rather quickly. Use 4300 series for flash applications and 4350 series for non-flash applications.

AVAILABLE IN 18" AND 24" WIDE BY 100 YARD ROLLS.



MARABU

Marabu develops and manufactures high-quality inks for graphic and industrial applications. As a proactive partner, Marabu does much more. Marabu specializes in three technologies: screen printing, digital printing, and pad printing.

SYSTEM ULTRACOLOR

This colour range for UV curable screen printing inks comprises 13 basic shades which are all intermixable. As far as possible, for an optimum UV curing, Ultracolor shades are mono pigmented and will therefore produce exceptionally bright colours. All new UV ink developments as well as the current UV range are available in the System Ultracolor.

ULTRAPACK UVC

Ultracolor UVC is a UV curable screen printing ink designed for pre-treated PE and PP, PET, PETG, Rigid PVC, Polycarbonate (PC) and PS. Due to its fast curing, high gloss, excellent water-resistant, and universal substrate compatibility it makes it a great choice for many applications.

ULTRAGLASS UVGL

Ultracolor UVGL is a UV curable 2-component screen printing ink designed for interior flat glass as well as packaging and drinking glasses. This ink exhibits fast curing, high scratch resistance, excellent alkaline and chemical resistance, as well as dishwasher resistance.

ULTRASWITCH UVSW

UV-curing ink for membrane switches made of coated polyester foils and polycarbonate (PC). Glossy, good opacity, fast curing, flexible ink film, can be embossed

CHARACTERISTICS

UVSW is glossy, low odour, and is blockresistant. It can be used on fast running presses such as flat bed or fully automatic cylinder machines with a printing speed of up to 1200 prints/h but is also suited for manual or semiautomatic machines.

Ultracolor UVSW excels particularly due to its outstanding printability of fine details.

ULTRA PACK LEDC

UV-LED-curable Screen Printing Ink for pretreated polyethylene and polypropylene, polyester PET and PETG, rigid PVC, polycarbonate PC, and polystyrene PS Very fast curing, high gloss, very good water resistance, good shear thinning properties, versatile. Especially designed for direct printing onto packaging and containers.

CHARACTERISTICS

- Fast curing
- Very good 1-c water and steam resistance
- High filler resistance
- Flexible ink film
- Thixotropic structure, and no dripping through during machine stops
- Can be over-embossed with hot stamping foil

SYSTEM ULTRACOLOR

| | | | |
|-----|-----|-----|-----|
| 922 | 924 | 926 | 932 |
| 934 | 936 | 950 | 952 |
| 956 | 960 | 962 | |
| 980 | 970 | | |

922 Light Yellow
 924 Medium Yellow
 926 Orange
 932 Scarlet Red
 934 Carmine Red
 936 Magenta
 950 Violet

952 Ultramarine Blue
 956 Brilliant Blue
 960 Blue Green
 962 Grass Green
 980 Black
 970 White



ENTHONE

ENTHONE® 50-000 SERIES CAT-L-INK

Enthone 50-000 Series Cat-L-Inks are permanent, two-component, epoxy-based screen-printing inks. These legend inks may be used with a selection of catalysts which cure at elevated and/or room temperatures. When properly applied and cured, Cat-L-Ink has excellent adhesion to conventional and UV-curable solder resists, glass, plastics and metals. Enthone 50-000 Series is extremely resistant to acids, alkalis, solvents, salt-spray and thermal shock. Enthone 50-000 Series Cat-L-Ink is used in the electronics, aerospace, automotive, appliance and decorative container industries. Uses include permanent marking of circuit boards, dials, nameplates, components, edge-lit panels, chassis, glass and thermoplastics.

Each ink comes with a choice of catalyst (Catalyst 5 is excluded and must be purchased separately).

Enthone 50-000 Series Cat-L-Ink is available in quart containers. Enthone 50-100R, 50-700R and 50-110RX are available in gallon containers. Catalyst for quarts is packaged in special half-pint containers. Drop off Must be heat-cured.

ENTHONE® M SERIES PERMANENT EPOXY MARKING INK

M-Series inks are permanent, two component, epoxy-based marking inks. They may be used with a selection of catalysts which cure at elevated and/or room temperatures. When properly applied and cured, M-Series inks have excellent adhesion to glass, metal and thermosetting plastics. They have excellent chemical and thermal resistance properties.

M-Series marking inks are used in the electronic, aerospace, automotive, appliance and decorative packaging industries. Uses include the permanent marking of semiconductor components, printed circuit boards, connectors, dials, nameplates, panels, chassis, glass and thermoplastics.



DURALIFE SQUEEGEE + ACCESSORIES



DURALIFE™ SQUEEGEE

Extra solvent-resistant, molded or cut-edge blades made in the United States and abroad to Saati's specifications, Duralife squeegees are available as either a cast blade made in individual cavity molds or as a precision cut-edge. Manufactured with our exclusive urethane formulation that locks in abrasion resistance. Duralife squeegees hold up longer on press and resist softening, including UV and conventional solvent applications. Duralife will not be affected adversely by humidity, or harden in storage. Choose from eight color-coded durometers, from extra soft to extra hard.

CUT-EDGE SQUEEGEE

Duralife's precision cut-edge offers the optimal sharp edge yielding the finest in print definition. Unlike rotary cut edges that leave a serrated pattern on the edge; our one-stroke cut leaves a perfect print edge.

CE SERIES CHARACTERISTICS

- Premium cut edge
- Good UV performance
- Close tolerance on hardness range
- Good all around performance
- Available in all sizes

MOLDED-EDGE SQUEEGEE

The individual cavity molds assure consistent and uniform blade thickness, dimensions and hardness. Duralife's molded blade maintains its print edge and resists nicking, especially our V-shape (double beveled). Unlike some cut "Vs" that can be irregular, our 60-degree angle is always precise and consistent.

ME SERIES CHARACTERISTICS

- Premium molded edge
- UV & abrasion resistant
- Extended press life
- Resists nicking
- Sealed walls resist solvent attack
- Custom sizes available

DUAL-DURO DURALIFE II

Our "Dual-Duro" stacks a one and a half inch 85-90 duro shaft on top of a half-inch printing edge (55-80 duro), so you can print with both edges. You'll reduce flexing and maintain a more consistent squeegee angle. Print with less pressure for longer stencil life. Duralife dual-durometer blades are available in rectangular, double bevel and ballnose profiles of 2" x 3/8" x 6'.

TRIPLE-DURO DURALIFE II

The triple-duro blade offers two print edges by sandwiching a harder 90 duro center within the desired print durometer on each side controlling and minimizing the degree of squeegee flex. This reduced flex yields better print definition and better control of ink deposit by maintaining an effective print angle. The harder center also resists solvent attack over a single durometer blade thus maintaining rigidity throughout the production run. The triple-duro squeegee is especially suited for use on higher tension screens in small to medium formats requiring a more stable and rigid squeegee blade and also on automatic presses to maintain the critical print angle across the entire width in large format printing. In addition, with the squeegee pressure focused on the print edge, less overall pressure is needed reducing abrasion and solvent attack to the squeegee and preventing premature stencil breakdown.

AVAILABLE IN FOUR STANDARD DUROMETERS: 65/90/65, 70/90/70, 75/90/75 AND 85/90/85. COLOR-CODED FOR EASY REFERENCE.

DURALIFE TEXTILE

The Duralife Textile Series is an extremely good value range of squeegee blades, offering the same high quality as all Duralife Squeegee Blades, with good performance across the range of products. Most commonly used for textile printing but is popular across a broad spectrum of screenprinting applications.

FEATURES

- High Tolerance to UV Systems
- Good General Use
- Extremely Good Value
- 45 – 90 Shore A Durometer range

DURALIFE CE MSR

The Cut Edge MSR Series material has been designed to provide a solution to more extreme applications. It offers extremely high chemical and solvent resistance to enable longer life and quality of print, when other products fail.

CHARACTERISTICS

- Very High Tolerance to UV Systems
- Very High Solvent Resistance
- High Energy Absorption / Low Energy Release
- 60 – 90 Shore A Durometer range

FEATURES

- Performs well in applications typically favouring moulded squeegee blades
- A low energy release blade that can eliminate "kick back" in large format applications

DURALIFE SQUEEGEE + ACCESSORIES



DURALIFE SQUEEGEE SPECIFICATIONS

| SHAPE | H | W |
|----------------------------|---------|------------|
| RECTANGULAR | 3/4"-2" | 3/16"-3/8" |
| RECTANGULAR DUAL-DUROMETER | 2" | 3/8" |
| RECTANGULAR COMPOSITE | 2" | 3/8" |
| V-SHAPE | 3/4"-2" | 3/16"-3/8" |
| BALLNOSE (ROUNDED EDGE) | 2" | 3/8" |

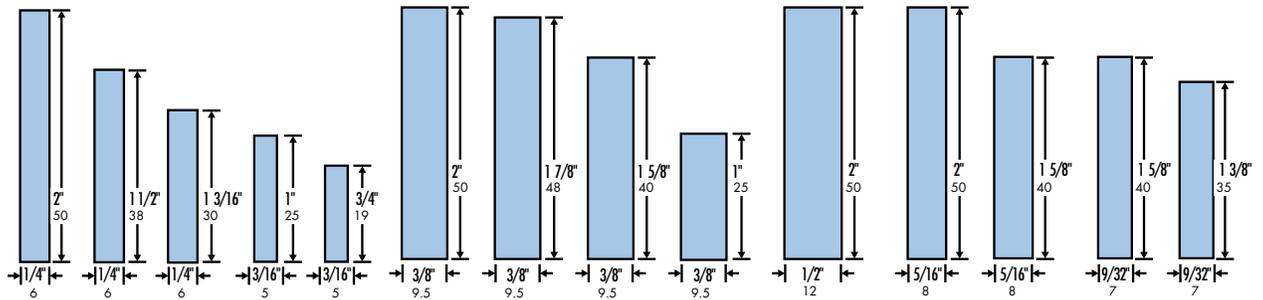
DURALIFE HARDNESS CHART

| HARDNESS | DUROMETER |
|-------------|-----------|
| EXTRA SOFT | 55 |
| SOFT | 65 |
| MEDIUM | 70 |
| MEDIUM HARD | 75 |
| HARD | 80 |
| VERY HARD | 85 |
| EXTRA HARD | 90 |

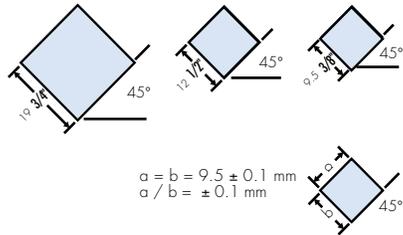
DURALIFE ME + CE SQUEEGEE BLADE

| COLOR | DUROMETER |
|--------------|-----------|
| CLEAR | 55 |
| ORANGE | 65 |
| BLUE | 70 |
| WHITE | 75 |
| RED LT. BLUE | 80 |
| PINK | 85 |
| DARK ORANGE | 90 |

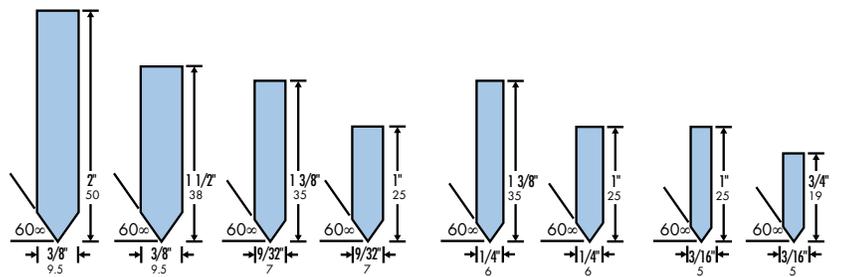
RECTANGULAR PROFILES



DIAMOND PROFILES



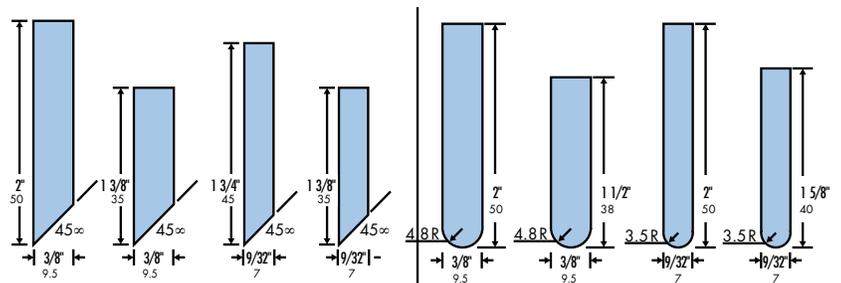
SPECIAL PROFILES



V - DOUBLE BEVEL

CUT-TO-SIZE SQUEEGEE LENGTHS

Ready-to-use Duralife Squeezees cut to the exact length you need. Our cut-to-size squeezees save production time and simplify storage as well. QUANTITY DISCOUNTS ARE AVAILABLE. PLEASE INQUIRE FOR MORE DETAILS.



SINGLE BEVEL

BALL NOSE

ALL SQUEEGEE IS SUBJECT TO AVAILABILITY. OTHER ANGLES AND PROFILES ARE AVAILABLE. CALL 1-800-431-2200 TO INQUIRE.



DURALIFE SQUEEGEE + ACCESSORIES



TRIPLE DUROMETER PROFILES

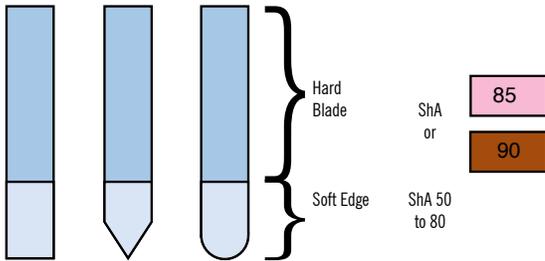
RECTANGULAR EDGE

- Excellent ink shear and better control of ink deposit
- Two softer print edges with harder center that resists flexing
- Reduces need for excessive squeegee pressure
- Maintains consistent print angle
- 3/8" Standard profile

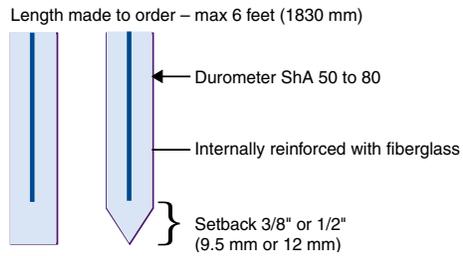
PLEASE CALL FOR ADDITIONAL SIZES.

AVAILABLE IN SHORE A HARDNESS RANGE OF 65/90/65, 70/90/70, 75/90/75 AND 85/90/85.

DUAL DUROMETER PROFILES



COMPOSITE PROFILES



DURALIFE II DUAL-DUROMETER BLADES



DURALIFE III TRIPLE-DUROMETER BLADE



DURALIFE COLOR-CODED BLADES

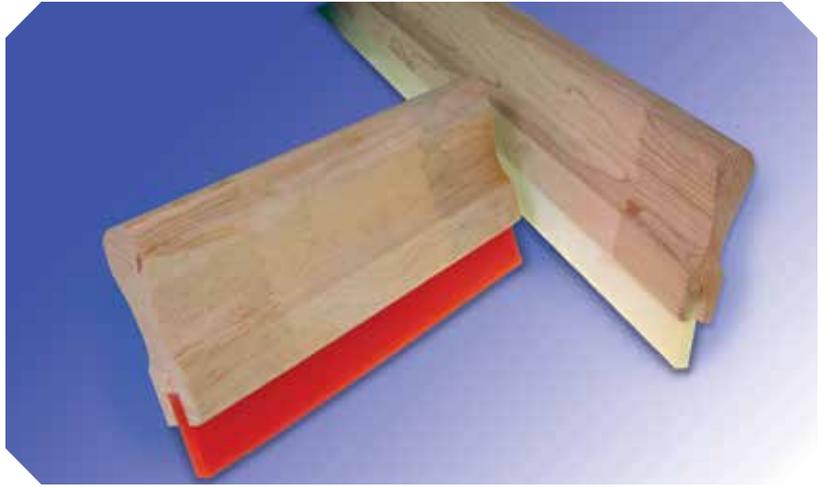
DURALIFE SQUEEGEE + ACCESSORIES



DURALIFE ASSEMBLED SQUEEGEES

Standard squeegee size/profiles/hardnesses available in high-profile wooden holders are 2" H x 3/8" W in 4", 14", 16", 18" and 6' L rectangular and ballnose (rounded edge) in 60, 65, 70, 75, 80 and 85 durometers. Other combinations available by special order.

Any 2" H x 3/8" W x 6' L Duralife product may be ordered assembled in our high-profile wooden holder.



A VARIETY OF ASSEMBLED SQUEEGEES/HANDLE COMBINATIONS ARE AVAILABLE

TECH TIP: CHOOSING YOUR SQUEEGEE

To maximize solvent resistance, always use the hardest durometer that is practical for the particular job.

The harder the squeegee, the more dense the urethane is and therefore the stronger the chemical resistance

MAGI-GRIP™ HIGH-PROFILE ALUMINUM SQUEEGEE HANDLE

The Magi-Grip is a classic, precision-extruded aluminum squeegee holder, curved for easy handling in manual screen-printing. The 4 1/2-inch high profile offers a convenient grip. The aluminum holder will not absorb and retain solvents.

In addition, its corrosion-resistant, anodized finish makes cleanup easy. Ink residue easily wipes clean.

There is no drilling of the squeegee blade required. Ridges inside the holder opening help grip the squeegee firmly with even pressure and without piercing the blade or distorting it between the ribbed aluminum. Thus, it is held perfectly straight and flat, with a uniform amount of squeegee blade extending from the holder.

The Magi-Grip is pre-drilled and supplied with screws positioned every 3-inches. To use, simply loosen the screws, insert the squeegee and re-tighten the screws.

The Magi-Grip can be used with any squeegee 3/8 of an inch (9.5 mm) thick, including rectangular (standard, dual-durometer or composite), "V" shape or ballnose (rounded edge).



THE MAGI-GRIP IS CURVED FOR EASY HANDLING, ASSEMBLES EFFORTLESSLY AND WILL NOT ABSORB AND RETAIN SOLVENTS

ASSEMBLED MAGI-GRIP™

Any 2" H x 3/8" W x 6' L Duralife may be ordered assembled in our Magi-Grip high-profile aluminum holder.

AVAILABLE FROM STOCK IN CUT-TO-SIZE LENGTHS UP TO 118 INCHES.



IT'S A JUNGLE OUT THERE! GET IN THE GREEN ZONE WITH SAATI CHEMICALS

SAATI CHEMICALS IS COMMITTED TO PRODUCING ENVIRONMENTALLY FRIENDLY PRODUCTS - WITHOUT GREENWASHING.

We avoid any use of toxic chemicals such as NMP & methylene chloride, HAPS, phthalates and heavy metals, to ensure RoHS compliance.

Our products are biodegradable and drain-safe when used according to instructions published in the Saatichem product Technical Data Sheets.

Renewable ingredients are used whenever possible and high efficiency formulas are designed to minimize waste. Many of our products are offered as concentrates, or in bulk, to minimize post-consumer packaging waste and whenever possible we utilize packaging with a high-recycled content.

Our cleaning and reclaiming chemicals in particular are designed to be operator friendly, VOC-compliant and with minimal impact on the environment.

We achieve this through the use of high-efficiency formulas and replacement of 100% solvent-based products with water-based alternatives.

Natural ingredients feature heavily in our formulas. We utilize solvents and surfactants derived from renewable resources including corn, soy, coconut, palm and citrus as alternatives to derivatives of petroleum, a depleting resource.

GREEN PARAMETERS: WHERE DOES SAATI CHEMICALS FIT IN?

We offer

- Non-hazardous/less-hazardous product alternatives
- Products with easy biodegradability & that are drain-safe
- Products made with renewable ingredients
- Low VOC product alternatives
- Concentrates & bulk packaged product to minimize landfill waste
- Products with low use level & waste through high efficiency
- No toxics, NMP, methylene chloride, HAPS, phthalates or heavy metals used in any product

SOME GREEN PRODUCT HIGHLIGHTS INCLUDE:

DIRECT PREP 2: Mesh prep & degreaser made with 100% renewable ingredients.

REMOVE ER2: Biodegradable stencil remover concentrate with high efficiency for reduced use level.

REMOVE IR3: Renewable soy-based ink remover with close to zero VOC's.

REMOVE IR4: Water-based ink remover with low organic content.

REMOVE HRS: Powerful and fast acting haze remover that is user friendly, easily biodegradable and made with 100% renewable ingredients.

REMOVE HR6: Stain remover & degreaser that is non-caustic with a pleasant cherry scent.



PRESS WASH

FOR PRINT MAINTENANCE AND COLOR CHANGES AT PRESS.

SCREEN OPENER

CLEANS DRIED-IN INK FROM THE SCREEN DURING PRINTING

- Works on all solvent-based inks including two-part epoxies
- Easy-to-use aerosol

AVAILABLE IN 12-OZ CONTAINERS.

REMOVE PW1

FASTEST-EVAPORATING PRESS WASH

- Most economical press wash
- Works on most inks
- Compliant with SCAQMD VOC limits—VOC free
- Flammable

REMOVE PW2

MOST VERSATILE PRESS WASH

- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

REMOVE PW3

LOW VOC PRESS WASH

- Less than 500g/L VOC content
- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

REMOVE PW4

PRESS WASH FOR PLASTISOL INKS

- When wiped with 100% cotton rag, masking tape will stick immediately
- Remove spray tack adhesive
- Will not lock up plastisol resistant emulsions
- Pleasant orange scent

REMOVE PWS

HIGHLY EFFECTIVE ON ALL INKS

- Use on-press for general screen maintenance and for color changes
- Orange scent

REMOVE PWS

MOST VERSATILE FAST EVAPORATING PRESS WASH

- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

REMOVE PWS

SCAQMD COMPLIANT PRESS WASH

- Less than 100g/L VOC content
- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

REMOVE PWS

PRESS WASH FOR PLASTISOL

- Economical
- Will not lock up plastisol resistant only emulsions
- When wiped with cotton rag, masking tape will stick immediately

REMOVE PW10

APPLE-SCENTED PRESS WASH FOR PLASTISOL

- Economical
- Will not lock up plastisol resistant only emulsions
- When wiped with cotton rag, masking tape will stick immediately
- Pleasant apple scent



INK REMOVERS

INK DEGRADENTS ARE USED TO REMOVE INK FROM SCREENS PRIOR TO RECLAIMING. INK REMOVERS ARE WATER RINSEABLE AND DRAIN SAFE.

REMOVE IR1

OUR MOST EFFECTIVE SCREEN WASH/INK DEGRADENT

- Removes the most stubborn and harshest inks
- Use in spray or recirculating tanks

SAATICHEM REMOVE INK REMOVERS ARE AVAILABLE IN QUART, 1-GALLON, 5-GALLON AND 55-GALLON CONTAINERS.

REMOVE IR2

OUR MOST VERSATILE SCREEN WASH/INK DEGRADENT

- Works on most inks used in graphics, industrial and electronic printing
- Use in spray or recirculating tank
- Compliant with SCAQMD VOC limits

REMOVE IR3

TEXTILE SCREEN WASH/INK DEGRADENT

- Ideal for garment and textile applications
- Works on all plastisol
- Compliant with SCAQMD VOC limits

REMOVE IR4

TEXTILE INK DEGRADENT FOR MANUAL CLEANING

- Works well on Plastisol, Nylon and Waterbased inks
- Reduces ink staining
- Can be reapplied to remove ink stains

REMOVE IR5

INK DEGRADENT FOR TEXTILE, UV, AND POSTER INKS

- Works well in manual and automatic equipment
- Significantly reduces ink staining
- Orange scent

REMOVE IR6

INK DEGRADENT FOR MOST INK SYSTEMS

- Use for manual or automatic cleaning
- Orange scent

REMOVE IR8

TEXTILE INK DEGRADENT FOR MANUAL CLEANING

- Works well on Plastisol, Nylon and waterbased inks
- Reduces ink staining
- Can be reapplied to remove ink stains
- Compliant with SCAQMD VOC limits

REMOVE IR10

INK DEGRADENT FOR UV, PLASTISOL, AND POSTER INKS

- Can be used for manual or automatic cleaning
- Safe on CA glue
- Safe on plastisol resistant emulsions

REMOVE IR11

INK DEGRADENT FOR MOST INK SYSTEMS

- Use for manual or automatic cleaning
- Orange scent

REMOVE IR14

LOW ODOR TEXTILE INK DEGRADENT FOR MANUAL CLEANING

- Reduced odor during pressure washing of textile screens
- Works well on Plastisol, Nylon and Waterbased inks
- Reduces ink staining
- Can be reapplied to remove ink stains

REMOVE IR17

INK DEGRADENT FOR MOST INK SYSTEMS

- Can be used for manual or automatic cleaning
- Compliant with SCAQMD VOC limits
- 0g/L VOC content

REMOVE IR18

VERSATILE INK DEGRADENT FOR COMBINATION USE WITH ER6 INK/EMULSION REMOVER

- Works on most inks used in textile, graphics, industrial and electronic printing
- Designed for spray or brush application and can be used for manual and automatic cleaning
- Mix 1:1 with ER6 to remove ink and emulsion when heavy duty cleaning is required.
- Mix 1:1:1 with ER6 and water to remove ink and emulsion for lighter duty cleaning

REMOVE IR19

WATER BASED TEXTILE INK REMOVER

- For use to clean Plastisol and Nylon inks
- Slightly viscous to improve cling to screen during application
- Low VOC at 139g/L
- High efficiency formula reduces product consumption
- Clean screens with water and easy rinsing formula

REMOVE IR25

HAPS FREE UNIVERSAL INK REMOVER

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- HAPS free
- Emulsifies for easy water rinsing and avoids formation of ghost images
- High efficiency formula reduces product consumption
- Universal performance reduces the need for multiple ink removers
- Can be re-applied after stencil removal to remove ghost images

REMOVE IR26

UNIVERSAL INK REMOVER

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- Low foam and low odor and can be used for manual or automatic cleaning
- Can be mixed with ER6 and used as one-step ink and stencil remover
- Emulsifies for easy water rinsing and avoids formation of ghost images
- High efficiency formula reduces product consumption
- Universal performance reduces the need for multiple ink removers
- Can be re-applied after stencil removal to remove ghost images

REMOVE IR27

LOWEST FOAM UNIVERSAL INK REMOVER

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- Even lower foam and low odor and can be used for manual or automatic cleaning
- Can be mixed with ER6 and used as one-step ink and stencil remover
- Emulsifies for easy water rinsing and avoids formation of ghost images
- Eliminates mesh staining when used to remove plastisol inks
- High efficiency formula reduces product consumption
- Universal performance reduces the need for multiple ink removers
- Can be re-applied after stencil removal to remove ghost images



SAATI CHEMICALS CHEMICAL-RESISTANT SQUIRT BOTTLES ARE TREATED TO PREVENT COLLAPSING AND THE TRIGGER SPRAYERS ARE CHEMICAL-RESISTANT.



STENCIL REMOVERS

TO REMOVE DIAZO, DUAL-CURE AND PHOTOPOLYMER EMULSIONS AND FILMS.

CONCENTRATED

REMOVE ER1

CONCENTRATED POWDER

- Most economical stencil remover
- For normal strength, dissolve 1.5 ounces by weight in one gallon of water
- Use up to 6 ounces per gallon for more resistant stencils

REMOVE ER2

CONCENTRATED, EASY-TO-DISSOLVE LIQUID WITH BUILT-IN DEGREASER

- Powerful built-in degreaser cuts through the oily residue left during ink removal to speed stencil breakdown and to aid in mesh degreasing
- Mix 1 part with 25 parts water by weight (1 to 35 by volume)

REMOVE ER6

LIQUID CONCENTRATE WITH RECOMMENDED DILUTION OF 1:5 TO 1:10 PARTS WATER

- Contains emulsion remover combined with surfactant to assist with ink removal
- Designed for use with dip tank application
- Can be used to remove stencil and ink in one step in conjunction with high pressure water gun
- Works with all emulsions and with plastisol and UV cured inks

REMOVE ER10

CONCENTRATED, EASY-TO-DISSOLVE LIQUID

- Mix 1 part with 50 parts water by weight (1 to 80 by volume)

REMOVE ER25

ECONOMICAL CONCENTRATED EMULSION REMOVER

- Low cost liquid concentrate
- Dilute 1:25 with water to provide working solution
- Easy to dissolve and will not crystallize
- Removes all types of emulsion or capillary film stencils

READY-TO-USE

REMOVE ER5

READY-TO-USE LIQUID WITH BUILT-IN DEGREASER

- Powerful built-in degreaser cuts through the oily residue left during ink removal to speed stencil breakdown and to aid in mesh degreasing

REMOVE ER5 IS AVAILABLE IN 1 QT, AND 1, 5 OR 50 GALLON CONTAINERS.

PRODUCT DILUTION

| PRODUCT | SIZES | DILUTES TO |
|-------------|---------|---------------|
| REMOVE ER1 | 32-OZ | 21 GAL |
| REMOVE ER2 | 1-QT | 8.5 GAL |
| | 1.3-GAL | 50 GAL |
| | 5-GAL | 175 GAL |
| REMOVE ER6 | 1-QT | 1.25-2.5 GAL |
| | 1-GAL | 5-10 GAL |
| | 5-GAL | 25-50 GAL |
| | 50-GAL | 250-500 GAL |
| REMOVE ER10 | 1-QT | 19.5 GAL |
| | 0.6 GAL | 50 GAL |
| | 1.5 GAL | 50-120 GAL |
| | 5-GAL | 390 GAL |
| REMOVE ER25 | 1-QT | 3-6 GAL |
| | 1 GAL | 10-25 GAL |
| | 1.5 GAL | 50-125 GAL |
| | 5-GAL | 500-1,250 GAL |

AUTOTYPE AUTOGEL

REMOVES GELATIN STENCILS

- Non-hypochlorite based
- Ready-to-use
- Easy to apply. Spread on with a brush, then rinse

AUTOTYPE AUTOGEL IS AVAILABLE IN 1-LITER CONTAINERS.



BRUSH PADS



The 3M Doodlebug system uses disposable pads that come in White (soft) pads and Blue (medium) pads. These pads can be used with the Hand Block for hand scrubbing or the Doodle Bug swivel head (2nd below) with extension handle for larger screens.





HAZE REMOVERS

TO REMOVE STAINS FROM MESH AFTER EMULSION HAS BEEN REMOVED.

REMOVE HR1

LOW-CAUSTIC LIQUID HAZE REMOVER

- Safe for mesh — can be left on screen overnight
- Does not need to be reactivated with solvent

REMOVE HR2

FAST-ACTING LIQUID HAZE REMOVER

- Can be used in automatic reclaiming system
- Effectively works in minutes!

REMOVE HR3

FAST-ACTING HAZE REMOVER PASTE

- Provides the highest strength cleaning power
- Effectively works in minutes!

REMOVE HR4

NON-CAUSTIC HAZE REMOVER PASTE

- Alternative to caustic- and bleach-based haze removers
- Ships as non-hazardous

REMOVE HR5

FAST-ACTING LIQUID HAZE REMOVER

- Can be used for manual and automatic cleaning

REMOVE HR6

NON-CAUSTIC ABRASIVE STAIN REMOVER

- Easy to apply semi-viscous formulation
- Will not damage mesh
- Works well on current press run ghosts
- Pink with pleasant cherry scent
- Contains a mild abrasive to accelerate the removal of heavy stains

REMOVE HR7

NON-CAUSTIC STAIN REMOVER

- Easy to apply semi-viscous formulation
- Will not damage mesh
- Works well on current press run ghosts
- Pink with pleasant cherry scent
- Non-abrasive

REMOVE HR9

LOW ODOR FAST-ACTING HAZE REMOVER PASTE

- Low odor formula removes the toughest ghost images
- Easiest to apply with stainless steel scoop coater
- Effectively works in minutes

REMOVE HR10

READY-TO-USE HAZE REMOVER LIQUID

- Ready to use
- Is able to remove the toughest stains
- Works in minutes
- Low odor during use with pressure washer
- Viscous cling to prevent run off and minimize waste

REMOVE HR12

READY-TO-USE HAZE REMOVER LIQUID FOR WET OR DRY SCREENS

- Ready to use
- Is able to remove the toughest stains
- Works in minutes
- Low odor during use with pressure washer
- Viscous cling to prevent run off and minimize waste
- Powerful formula is able to remove older stains
- Designed to work on both wet or dry screens





RECLAIM PRODUCT PACKAGES

MAXIMIZE YOUR PRODUCTIVITY GAINS WITH TAILORED SAATI CHEMICALS GROUPS

INK TYPE

TEXTILE

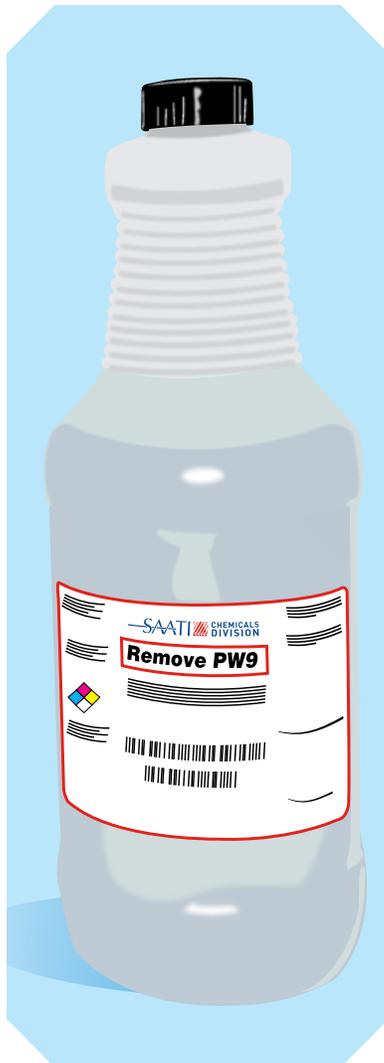
- PW4/PW9/PW10
- IR19/IR26/IR14
- ER2
- HR9

SOLVENT-BASE

- PW2/PW5/PW6
- IR6/IR11/IR18
- ER2
- HR12

UV-CURED

- PW2
- IR11/IR26
- ER2
- HR12





SAATI CHEMICALS RECLAIMERS

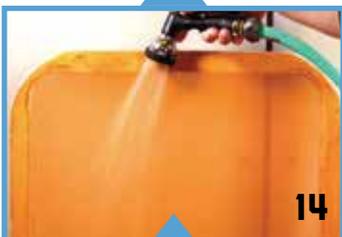


**PRINTING. INK REMOVAL
PRIOR TO RECLAIMING**
18

**RETOUCHING AND
SCREEN PREPARATION
PRIOR TO PRINTING**
17

**EXPOSE SCREEN AND
DEVELOP IMAGE**
16

**DRY SCREEN +
COAT EMULSION. OR
APPLY CAPILLARY
FILM. THEN DRY**
15



1. Apply SaatiChem Ink Remover to both sides of screen
2. Brush Saatichem Ink Remover into ink on squeegee side of screen
3. Brush Saatichem Ink Remover into ink on substrate side of screen
4. Water rinse ink residue from both sides of screen
5. If using a water resistant stencil, screen may be catalogued at this point
6. Apply Saatichem Stencil Remover to both sides of screen
7. Allow Saatichem Stencil Remover to dwell for one minute
8. Brushing Saatichem Stencil Remover will help to remove difficult stencils
9. Rinse screen thoroughly using a high-pressure washer
10. If needed, apply Saatichem Haze Remover, let dwell 3-5 minutes
11. High-pressure rinse from bottom to top
12. Apply Saatichem Direct Prep to one side of screen, brush both sides
13. Rinse screen
14. Flood rinse screen with garden hose to remove all residue



REMOVE HC-8 HAND CLEANER



Remove HC-8 is a personal cleaner designed for safe and easy removal of the toughest industrial dirt and grime including inks, oils & grease, paints, plumbers putty and other oily soils.

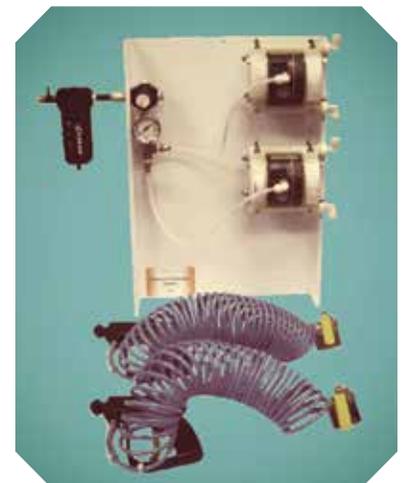
- Pink, water-based lotion
- Mildly abrasive to accelerate the removal of dried inks and other difficult oily soils
- Triple blend of emollient, moisturizer and conditioner protects skin and prevents chapping
- Safe alternative to aggressive solvents
- Pleasant cherry scent
- Also available in green with green-apple scent

CHEMICAL DRUM DISPENSING

Basic model includes two dual diaphragm Teflon and Polypropylene pumps, with room for one additional. Each pumping station includes all fittings, regulators, fluid lines, guns and spray nozzles. This unit mounts to a wall near the washout area.

System includes a coiled flex hose to each spray gun. The system includes everything necessary to go from a drum of chemistry to the spray nozzle. Dispensing is actuated by simply pulling the trigger on the spray gun. The pumps are designed to dispense virtually any chemistry, from simple degreasers to haze and ink removers.

Polypropylene wall bracket will accommodate a total of three pumps. If more pumps are required an additional wall bracket is provided. System run on compressed air at 60 PSI, approximately 3 CFM. We will customize the system to meet your specific application requirements.





PRESSURE WASHERS

Compact yet powerful industrial strength pressure washers that delivers 1000 or 2000 pounds per square inch of water pressure. They are a powerful washer that is easy to use and store. This unit has a 35 foot (10ft on 2000XAR) power cord with GFI, ground fault protection for added protection.

The 1000GEAR and 2000XAR Pressure Washers have an adjustable pressure, chemical injection, trigger gun and two piece adjustable 0 to 60 spray tip and easy to use quick connectors on the hose. Ceramic pump plungers with replaceable stainless steel valves, forged crankshaft, roller bearings in oil bath lubrication.

FEATURES

- Triplex plunger pump with ceramic plungers and stainless steel valves
- 35' power cord with ground fault interruptor
- Adjustable pressure
- Chemical injection
- Non-marking hose
- Trigger gun
- 36" two-piece wand
- Multi-reg 0 to 60 degree pattern tip with Hi-Low for chemical injection
- Optional pump handle fluids up to 180°F

WARRANTY

One year warranty.

1000GEAR SPECIFICATIONS

| | |
|-------------------|--------------------|
| PSI/bar | 1000/69 |
| GPM/lpm | 2.2/8.4 |
| Horsepower | 1.5 |
| Voltage/Amp/Phase | 120V/15A/1 |
| Pump Max. Temp | 140°F |
| Thermal | MECHANICAL |
| Dimensions | 18"L x 12"W x 11"H |
| Ship Weight | 88 LBS. |

2000XAR SPECIFICATIONS

| | |
|-------------------|----------------------|
| PSI/BAR | 2000/138 |
| GPM/LPM | 4/15.2 |
| HORSEPOWER | 5 |
| VOLTAGE/AMP/PHASE | 230V/26A/1 |
| PUMP MAX. TEMP | 160°F |
| THERMAL | MECHANICAL |
| DIMENSIONS | 37"L x 23.5"W x 30"H |
| SHIP WEIGHT | 240 LBS. |

HAMMER HEAD WET/ DRY VACUUM NOZZLE

The Hammer Head vacuum is a specially designed all-aluminium attachment that will fit most wet/ dry vacuums with a 1 1/4-1 1/2" hose end.

AVAILABLE IN 8-INCH (20.3 CM) WIDTH.



WASHOUT/RECLAIMING



AUSTIN BACKLIT WASHOUT SINK

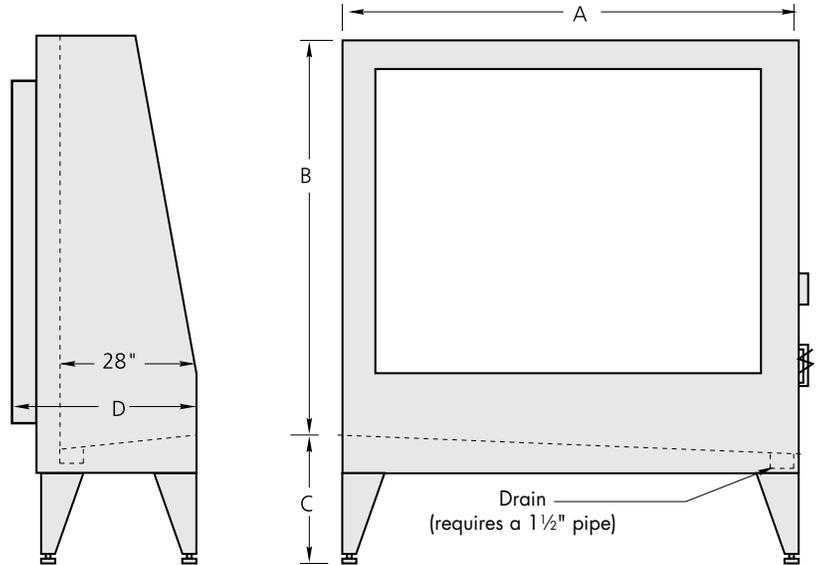
The heavy-duty Austin Backlit Washout Sink provides the illumination necessary to develop your stencils accurately. The backlighting* also helps you pinpoint stencil residue and ghost images during reclaiming and haze removal. Easy to keep clean and virtually rustproof, the Austin Sink is constructed of heavy-duty polypropylene and plexiglass, with CPVC high-temperature resistant plumbing. It's impervious to reclaiming products and other reclaiming agents, such as hydrogen peroxide and bleach. The washout booth's hot and cold water adjustment valves are located outside of the sink area. The sink's light switch, located on a side panel, is protected by a cover. Standard features include a 115 VAC outlet for plugging in your pressure washer. All models have two kick-back fences attached permanently to the bottom of the sink for screen support. Lip borders are located on all sides of the sink, reducing splashback. The back panel is removable for easy bulb replacement.

OPTIONS

- Holes cut for exhaust venting
- Larger backlit area available
- Amber backlighting
- Storage shelves
- Additional kick-back fences

**FOR OTHER APPLICATIONS, THE SINK IS AVAILABLE WITHOUT BACKLIGHTING, OR WITH TOPLIGHTING INSTEAD OF BACKLIGHTING.*

LEASING AVAILABLE, PLEASE INQUIRE.



THE INSIDE DEPTH OF THE SINK = 28 INCHES, THE OUTSIDE DEPTH = 34 INCHES, IN ORDER TO FIT THE SINK THROUGH A 36-INCH DOORWAY COMFORTABLY.



SIZE FOR STANDARD BACKLIT SINKS + OPTICAL TOPLIT SINKS

| MODEL | MAX FRAME SIZE | A | B | C | D | LIGHTED AREA |
|-------|----------------|------|-----|-----|-----|--------------|
| 1 | 36"X48" | 60" | 53" | 26" | 34" | 40"X45" |
| 2 | 48"X60" | 72" | 65" | 26" | 34" | 45"X60" |
| 3 | 60"X72" | 84" | 77" | 29" | 34" | 45"X72" |
| 4 | 72"X84" | 96" | 89" | 12" | 34" | 45"X84" |
| 5 | 72"X108" | 120" | 89" | 12" | 34" | 45"X94" |
| 6 | 72"X118" | 136" | 89" | 12" | 34" | 45"X116" |

OPTIONAL SIZES FOR SINKS WITH LARGER BACKLIT AREAS

| MODEL | MAX FRAME SIZE | A | B | C | D | LIGHTED AREA |
|-------|----------------|------|-----|-----|-----|--------------|
| LB-3 | 60"X72" | 84" | 77" | 20" | 34" | 69"X72" |
| LB-4 | 72"X84" | 96" | 89" | 12" | 34" | 69"X84" |
| LB-5 | 72"X108" | 120" | 89" | 12" | 34" | 69"X94" |
| LB-6 | 72"X118" | 136" | 89" | 12" | 34" | 69"X116" |



SAATI PRO WASHOUT BOOTH

APPLICATIONS

Reclaim screens in a contained sink, develop and examine quality screens.

CHARACTERISTICS

- Polypropylene Construction 3/8" wall
- Chemical Resistant
- Screen Holder
- Wand Holder
- Vent Ready
- Quick Drain Style
- Drain attachment Ready
- Polypropylene Legs

FEATURES

- Comes with on/off backlighting
- Simple to install drainage
- Sturdy polypropylene design

BENEFITS

- Backlighting helps you develop the details
- Prevents your screens from sliding when pressure-washed
- Built-in wand holders preserve your equipment

DIRECTIONS FOR USE

DEVELOPING

Place screen in sink with lighting off. Rinse both sides of screen giving each area of stencil equal attention. As Details emerge, use backlighting to identify under-rinsed areas, and to check for pinholes and lost details.

RECLAIM

Place screen in sink. Apply chemicals by process, use backlighting to inspect reclaimed screens for residue.

SIZES

Height and Width are approximate outer dimensions, Depth is the inside measurement.

- 48" w x 48" h x 24" d
- 60" w x 48" h x 24" d
- 72" w x 48" h x 24" d
- 60" w x 60" h x 24" d
- 72" w x 60" h x 24" d
- 72" w x 72" h x 24" d



IMAGE TECHNOLOGY STAINLESS STEEL WASHOUT SINKS

Image Technology stainless steel sinks are custom-built to your individual specifications.

FEATURES

- 30" depth
- 10" lip on top
- Bottom and sides prevent backsplash
- Adjustable legs
- Angled roof prevents dripping on screen
- Screen holding rack
- Vent knockout for connecting vent
- GFI-protected backlighting
- Custom-made to your screen size requirements

OPTIONS

- Stainless steel screen holding rack
- Can be shipped in sections up to 24' long by 10' high
- Back light
- Filtration and ventilation system
- Chemical spray system
- UL, CSA or CE listing available

STANDARD SIZING OPTIONS

- 3'W x 4'H
- 4'W x 4'H
- 6'W x 4'H
- 8'W x 4'H

CUSTOM SIZES ALSO AVAILABLE

DIPTANKS



IMAGE TECHNOLOGY STAINLESS STEEL DIP TANK

The Image Technology Emulsion removing dip tank is a custom built system that reduces emulsion and ink remover usage, increases screen room production and minimizes waste water stream affluent.

FEATURES

- 100% stainless steel unit
- Screen holding racks
- Variable air induction system to promote emulsion removal or developing
- Emulsion sludge tray
- Open/closed drain connector

RHINOCLEAN POLY- ETHYLENE DIP TANK

The RhinoClean™ Dip Tank / Emulsion Removal Systems are designed for fast, safe and efficient removal of screen printing stencils. The RhinoClean™ System will effectively remove all types of emulsion from the screen frame. It's easy; once the emulsion is soft simply remove with high pressure washer.

FEATURES

- Poly Ethylene Construction
- Chemical Resistant Construction
- Multi Screen Units
- Top Loading Design
- Hold Down Lid

BENEFITS

Using a RhinoClean™ Dip Tank / Emulsion Removal System helps reduce chemical use by cutting down on the amount needed; it saves time and effort. The system helps meet compliance by minimizing the volume of chemicals going down the drain. And, you will lessen the carbon foot print on our environment.

Frees up employee time to spend on other tasks instead of screen cleaning; extends the life of the ink degradant/emulsion remover and reduces employee exposure to chemicals.





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