

Auxiliaries for Consumer Electronics - Screen Printing

Printed Electronics

■ Ultrafix SB2 plus

APPLICATIONS

Frame adhesives.

GENERAL CHARACTERISTICS

- Two-components polyurethane adhesive
- Mounts screen mesh onto aluminum, steel, iron, plastic-coated and wood frames
- Extraordinary initial adhesion allows screens to be removed from the stretching system only minutes after applying
- Superior resistance to solvents, heat and automatic cleaning machine
- Ultrafix SB2 Plus is low viscosity adhesive for medium to fine fabrics mesh-counts.

DIRECTIONS FOR USE

Mix 100 parts of Ultrafix SB2 Plus with 20 part of Catalyst by weight. The mixture prepared is ready to use and suitable to paste fabrics from 55 threads /cm without thinner addition. Use within 60 to 90 minutes.

To obtain optimal adhesion, degrease the frame. Stretch the fabric over the frame providing good contact between the two. Apply the prepared mixture with a brush. After the adhesive has dried and cured, release tension and remove the screen from the stretching system.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, ULTRAFIX SB2 Plus will maintain original properties for 24 months from the date of production.

WARNING :

In winter time packages of adhesive exposed to low temperatures (close to 0°C) could increase quite a lot adhesive viscosity.

In case, keep containers in a warm place or, to short the process, place them in a hot air oven (40-45°C) for several hours. Operating in this way is possible to recover original conditions of the adhesive without deteriorations.

PACKAGING

ULTRAFIX SB2 Plus is available in 0,75, 4,5 kilogram containers.

CATALYST ULTRAFIX SB2 Plus is available in 0,15 and 0,9 kilogram containers.

Ultrafix SB2 Plus available in blue, green, red and in-colour.

WARRANTY AND LIMITED REMEDY

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■ Ultrafix SB9 plus

APPLICATIONS

Frame adhesives.

GENERAL CHARACTERISTICS

- Two-components polyurethane adhesive
- Extraordinary initial adhesion allows to glue screen mesh also on untreated aluminum frames (sleek)
- Extraordinary initial adhesion allows screens to be removed from the stretching system only minutes after applying
- Superior resistance to solvents and heat; ideal in automatic cleaning machine
- Ultrafix SB9 Plus is low viscosity adhesive for medium to fine fabrics mesh-counts.

DIRECTIONS FOR USE

Mix 100 parts of Ultrafix SB9 Plus with 20 part of Catalyst by weight. The mixture prepared is ready to use and suitable to paste fabrics from 55 threads /cm without addition thinner. Use within 60 to 90 minutes.

To obtain optimal adhesion, degrease the frame. Stretch the fabric over the frame providing good contact between the two. Apply the prepared mixture with a brush. After the adhesive has dried and cured, release tension and remove the screen from the stretching system.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, ULTRAFIX SB9 Plus will maintain original properties for 24 months from the date of production.

WARNING :

In winter time packages of adhesive exposed to low temperatures (close to 0°C) could increase quite a lot adhesive viscosity.

In case, keep containers in a warm place or, to short the process, place them in a hot air oven (40-45°C) for several hours. Operating in this way is possible to recover original conditions of the adhesive without deteriorations.

PACKAGING

ULTRAFIX SB9 Plus is available in 0,75, 4,5 kilogram containers.

CATALYST ULTRAFIX SB5 Plus is available in 0,15 and 0,9 kilogram containers.

WARRANTY AND LIMITED REMEDY

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■ Ultrafix CA series

APPLICATIONS

Frame adhesive.

GENERAL CHARACTERISTICS

- Spray-activated cyanoacrylate adhesive
- Mounts screen mesh onto aluminium, steel, iron, plastic-coated and wood frames
- Cure instantly
- Highly resistant to water and solvents
- Standard cyanoacrylate available in three viscosities – Ultrafix CA50, CA100 and CA150
- Ultrafix C-Flex is a toughened, more flexible version

DIRECTIONS FOR USE

To obtain optimal adhesion, degrease the frame. Stretch the fabric over the frame providing good contact between the two. Squeeze a thin bead of adhesive onto fabric around the frame perimeter and spread evenly. Lightly spray the applied adhesive with Ultrafix CA Activator which sets in less than 30 seconds. Release tension and remove the screen from the stretching system.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, ULTRAFIX CA Series will maintain original properties for 12 months from the date of production.

ATTENTION :

To prevent premature curing, we suggest to close carefully containers after any use.

PACKAGING

ULTRAFIX CA are available in 50 and 450 gr. containers.
ULTRAFIX CA Activator A is available in 160 gr. containers.

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■ Direct Prep 1

APPLICATIONS

Abrade and prepare new mesh for stencil making.

GENERAL CHARACTERISTICS

- Ready-to-use, one-step mesh abrader, wetting agent and degreaser
- Prepares new monofilament synthetic fabric
- Does not clog mesh openings
- Dyed colour ensures complete rinse from mesh
- Highly recommended for use with capillary films.

DIRECTIONS FOR USE

For new monofilament synthetic mesh, apply Direct Prep 1 to both sides of a wet or dry screen. Scrub thoroughly with a stiff brush. Rinse the screen with a strong water spray to remove all traces of Direct Prep 1. Dry the clean freshly abraded screens and use immediately or store in a dust-free environment.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, DIRECT PREP 1 will maintain original properties for 36 months from the date of production.

PACKAGING

Direct Prep 1 is available in 1 and 5 kilogram containers. In North America available in one, five, and fifty US gallon containers.

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■ Direct Prep2

APPLICATIONS

Prepare mesh for stencil making.

GENERAL CHARACTERISTICS

- 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 colour ensures complete rinse from mesh
- Highly recommended for use with photopolymer direct emulsions.

DIRECTIONS FOR USE

For new multifilament synthetic or stainless steel mesh or for previously abraded synthetic monofilament mesh, apply Direct Prep 2 liberally to both sides of wet or dry screen with a brush or sponge. Rinse the screen with a strong water spray to remove all traces of Direct Prep 2. Dry the clean freshly prepared screens and use immediately or store in a dust-free environment.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, DIRECT PREP 2 will maintain original properties for 36 months from the date of production.

PACKAGING

Direct Prep 2 is available in 1 and 10 kilogram containers. In North America available in one, five, and fifty US gallon containers.

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■ Direct Prep3

APPLICATIONS

Prepare mesh for stencil making.

GENERAL CHARACTERISTICS

- Concentrated liquid 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 colour ensures complete rinse from mesh
- Highly recommended for use with photopolymer direct emulsions

DIRECTIONS FOR USE

Mix one part Direct Prep 3 with 10 parts water.

For new multifilament synthetic or stainless steel mesh or for previously abraded synthetic monofilament mesh, apply Direct Prep 3 liberally to both sides of wet or dry screen with a brush or sponge. Rinse the screen with a strong water spray to remove all traces of Direct Prep 3. Dry the clean freshly prepared screens and use immediately or store in a dust-free environment.

If used in automatic equipment, dilute with water Direct Prep 3 before addition in it.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, DIRECT PREP 3 will maintain original properties for 36 months from the date of production.

PACKAGING

Direct Prep 3 is available in 1 and 10 kilogram containers. In North America available in 1, 5 and 50 gallon containers.

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Remove PW7

APPLICATIONS

Removes inks from stencils after and during screen printing. Safe in use, EEC label free.

GENERAL CHARACTERISTICS

Solvent mixture characterized by fast evaporation and limited odor, designed for cleaning and removing inks in textile and graphic printing. It works very well during color change phase and, in general, to clean stencils during printing and before storing. To be used to remove glues from printing pallets.

DIRECTIONS FOR USE

To optimize the cleaning process we recommend to use cotton rag ; avoid synthetic material. Alternatively, we suggest to use highly absorbent paper.

CLEANING DURING PRINTING PROCESS

Apply some Remove PW7 on the rag or directly on the screen and start to clean the printing area ; repeat the process two time, folding the rag every time. After this treatment the area is still full of ink; make some blank printing and restart the process interrupted.

FINAL CLEANING

Put a limited quantity of Remove PW7 on handy Saati brush or apply it directly on the screen. Using the brush, mix the ink together with the solvent.

Remove everything with a cotton rag working on both sides of the stencil.

If the screen must be reclaimed totally, mixture ink-solvent could be easily removed by water jet.

Following this procedure and using Remove PW7, we obtain these improvements:

- Minimum quantity of solvent used for cleaning
- Minimum use of cleaning material (rags)
- Important reduction of ghost images compared to screens cleaned with traditional solvents.

SOLVENT RECYCLING UNITS

REMOVE PW7 can be used successfully in pneumatic solvent recycling units.

PALLETS ADHESIVE REMOVAL

Apply some sprays of REMOVE PW7 on pallet surface. Wait 1 minute and remove the glue with the aid of hard squeegee, collecting removed material in a disposal container.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, REMOVE PW7 will maintain original properties for 36 months from the date of production.

PACKAGING

REMOVE PW7 is available in 1, 5, 30 and 200 kilogram containers.

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■ Remove IR 18

APPLICATIONS

Removes ink from mesh during and after printing, and before screen reclaiming.

GENERAL CHARACTERISTICS

Solvent-based formulas with easy and complete cleaning of inks from graphic and textile stencils during and after printing and immediately before of screen recycling. Effective on UV, graphic, plastisol and water based inks, including discharge.

In combination with Remove ER6 it is possible to arrange a stable mixture able to remove easily inks and emulsion from stencils in only one step, avoiding ghost images.

DIRECTIONS FOR USE

To optimize the cleaning process we recommend to use cotton rag ; avoid synthetic material. Alternatively, we suggest to use highly absorbent paper.

DIRECTIONS FOR USE

Manual cleaning

Remove IR 18 must be used alone to remove any kind of inks from stencils, obtaining following improvements:

- Minimum quantity of solvent used for cleaning
- Important reduction of ghost images compared to screens cleaned with traditional solvents

Proceed to the screen reclaiming using Remove ER and Remove HR.

Automatic cleaning process

If used mixed with Remove ER6, it is necessary to arrange proper mixture as follow:

Remove IR18: 2 – 3 parts
Remove ER6: 1 part

Mix thoroughly and put it into cleaning equipment
Refer to machine instructions.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, REMOVER IR18 will maintain original properties for 36 months from the date of production.

PACKAGING

Remove IR 18:
Available in packaging 5, 20 and 200 Kg.

Remove ER6:
Available in packaging 5, 20 and 200 kg

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■ Remove IR 15 DK

APPLICATIONS

Removes ink from mesh during and after printing, and before screen reclaiming.

GENERAL CHARACTERISTICS

Solvent-based formulas with easy and complete cleaning of inks from stencils during and after printing and immediately before of screen recycling

Remove IR15 DK (F.p. >70°C c.c.)

Ideal to remove UV inks, manually or using automatic machines. Not labeled product

DIRECTIONS FOR USE

Apply some spray of Remove IR directly to both side of screen. Starting at the squeegee side, remove ink from the screen with a non-abrasive brush, wetted with IR.

Starting from the bottom, rinse the screen using low-pressure water jet. At the end of treatment, the screen is ready to be reclaimed.

If there are still ghost images after screen recycling, we suggest to apply some spray of Remove IR, to rub again the screen with brush and to rinse with a high-pressure gun.

Following this procedure and using Remove IR, we obtain these improvements:

- Minimum quantity of solvent used for cleaning
- Important reduction of ghost images compared to screens cleaned with traditional solvents

Proceed to the screen reclaiming using Remove ER and Remove HR.

Automatic cleaning process

Refer to machine instructions.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored in cool conditions, REMOVER IR 15DK will maintain original properties for 36 months from the date of production.

PACKAGING

Available in packaging 1, 5, 20 e 200 Kg.

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■ Remove ER 2

APPLICATIONS

Removes all stencil types.

GENERAL CHARACTERISTICS

- Fast-acting, effective and economical
- Works in minutes
- Odour-free and biodegradable.

Remove ER2

1 to 30 liquid concentrate with built-in degreaser.

DIRECTIONS FOR USE

Remove ER2

By volume, dissolve one part Remove ER2 in 30 parts water

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, REMOVER ER 2 will maintain original properties for 24 months from the date of manufacture.

PACKAGING

Remove ER2

Available in 1 and 10 kilogram containers.

In North America available in one quart and in 1, 5 US gallon containers.

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■ Remove ER 13

APPLICATIONS

Removes all stencil types.

GENERAL CHARACTERISTICS

- Fast-acting, effective and economical
- Works in minutes
- Odour-free and biodegradable.

Remove ER13

1 to 60 liquid concentrate.

DIRECTIONS FOR USE

Remove ER13

By volume, dissolve one part Remove ER13 in 60 parts water.

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, REMOVER ER 13 will maintain original properties for 24 months from the date of manufacture.

PACKAGING

Remove ER13

Available in 1, 5 and 10 kilogram containers.

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■ Remove ER 6

APPLICATIONS

Removes all stencil types.

GENERAL CHARACTERISTICS

- Fast-acting, effective and economical
- Works in minutes
- Odour-free and biodegradable.

Remove ER6

To be mixed with Remove IR 18 for “all in one” cleaning/decoating process

DIRECTIONS FOR USE

Remove ER6

Mix it with Remove IR 18 as follow:

Remove IR18 2 – 3 parts

Remove ER6 1 part

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, REMOVER ER 6 will maintain original properties for 24 months from the date of manufacture.

PACKAGING

Remove ER6

Available in 5 and 50 kilogram containers.

In North America available in one quart and in 1, 5 and 50 US gallon containers.

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■ Remove HR 3

APPLICATIONS

Removes stains, haze and ghost images from mesh for screen recycling.

GENERAL CHARACTERISTICS

Remove HR3

- One part, ready-to-use paste
- Is able to remove the toughest stains
- Works in minutes.

DIRECTIONS FOR USE

Remove HR3

After ink and stencil removal, spread paste on screen with a stiff brush. Let sit for approximately 10 minutes - a longer time may weaken mesh. Rinse screen with a pressure wash.

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

STORAGE

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

PACKAGING

Available in 1 and 5 kilogram containers.

In North America, available in ¼ , 1, 5, and 50 US gallon containers

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■ Remove HR 8

APPLICATIONS

Removes stains, haze and ghost images from mesh for screen recycling.

GENERAL CHARACTERISTICS

Remove HR8

- One part, ready-to-use (cream)
- Let sit on screen for a few minutes
- Application with coating through

DIRECTIONS FOR USE

Remove HR8

After ink and stencil removal, apply cream on screen with a coating through. Let sit for maximum 5 minutes; a longer time may harm mesh Rinse screen with a pressure wash.

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

STORAGE

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

PACKAGING

Available in 1 and 5 kilogram containers.

In North America, available in ¼ , 1, 5, and 50 US gallon containers.

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■ Finish S2

APPLICATIONS

Screen filler (block-out) for use with solvent-based or plastisol ink.

GENERAL CHARACTERISTICS

- Blue, high solids liquid filler
- Water-based, solvent resistant
- Offers increased durability and spreads smoothly and uniformly for optimum drying and filling
- Optimal transparency and excellent release of air bubbles
- Does not contain solvents and can be removed with water
- Non-hazardous and biodegradable.

DIRECTIONS FOR USE

On the substrate side of the screen, spread Finish S2 evenly over desired area of mesh and stencil with a straight edge. A squeegee or a plastic spreader is typically used. Filler may be thinned with water for retouching pinholes with a brush. To reclaim, remove with water. eaken mesh. Rinse screen with a pressure wash.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, FINISH S2 will maintain original properties for 24 months from the date of production.

PACKAGING

Available in one and five kilogram containers. In North America, available in one, five and fifty US gallon containers.

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

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■ Finish W3

APPLICATIONS

Screen filler (block-out) universal resistant.

GENERAL CHARACTERISTICS

- Resistant to water-based, plastisol, UV and solvent-based inks
- Superior water resistance simply upon drying
- Very high solids content offers increased durability
- Does not contain solvents
- Reclaimable by high pressure water jet

DIRECTIONS FOR USE

On the substrate side of the screen, spread Finish W3 evenly over desired area of mesh and stencil with a squeegee or a plastic spreader.

Finish W3 can be thinned with water for retouching pinholes with a brush. Cure for 3 hours at room temperature or for 30 minutes at 104° to 122°F (40° to 50°C). Water resistance can be further increased with application of Saatchem Fixers.

To reclaim, use emulsion reclaiming chemicals such as Remove ER and a high pressure water jet.

STORAGE

When sealed in the original container and stored at temperature between 20 and 25°C, FINISH W3 will maintain original properties for 12 months from the date of manufacture.

PACKAGING

Available in one and five kilogram containers.

In North America available in one, five, and fifty US gallon containers.

HEALTH AND SAFETY

Before using, refer to appropriate safety data sheets.

WARRANTY AND LIMITED REMEDY

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

The following is made in lieu of all other expressed or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: all Saatchem manufactured liquid products are warranted to be free of defects in materials and manufacture and to meet the specifications stated in Saatchem applicable Product Bulletin. Saatchem will replace or refund the price of any Saatchem manufactured liquid product that does not meet this warranty within the applicable warranty period.

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