

## KEENWORTH SCREEN PRINTING INKS

### ARBITEX / ENVIROTEX SERIES- RUBBERIZED PRINTING EFFECT

**Arbitex White MS** - Excellent opacity with a brilliant white finish – A high opacity base for direct print on dark / color ground fabric for a white print output. It can be mixed in with clear base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Superwhite to many printers.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard** White Base: 100%

**Formula:** Total : 100%

**Note:** Must be well dried before applying next coat

Can be printed on top of other base inks without need of mixing in with other base

**Arbitex White S2** - Good opacity that is best used for spot colors, under base white, or as stand alone white. A high opacity base for direct print on dark / color ground fabric for a white print output. It can be mixed in with clear base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Superwhite to many printers.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard :** White Base: 100%

**Formula:** Total : 100%

**Note:** Must be well dried before applying next coat

Can be printed on top of other base inks without need of mixing in with other base

**Envirotex White SG33** - Excellent opacity with a brilliant white finish. Eco-Elastic & Glossy – A high opacity base for direct print on dark / color ground fabric for a white print output. It can be mixed in with clear base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Superwhite to many printers. Envirotex is the eco-type series.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard:** White Base: 100%

**Formula:** Total : 100%

**Note:** Must be well dried before applying next coat

Can be printed on top of other base inks without need of mixing in with other base

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**Arbitex Clear MEG** - Great transparency that is best used for CMYK prints for a brilliant print output. More Gloss. A transparent base for direct print on white or light ground fabric for color print output. It can be mixed in with white base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Wetlook to many printers. Envirotex is the eco-type series.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats (for more rubberized feel), with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard:** Clear Base: 95%  
**Formula:** PRC Color : 5%  
Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color, Neon Color and CMYK Color  
On CMYK or Halftone print, one stroke-one coat only. Preferably, wet on wet print  
Can be printed on top of other base inks without need of mixing in with other base

**Arbitex Clear W2**- Good transparency, most often used for spot color designs but can be used for CMYK prints as well. A transparent base for direct print on white or light ground fabric for color print output. It can be mixed in with white base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Wetlook to many printers. Envirotex is the eco-type series.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats (for more rubberized feel), with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard:** Clear Base: 95%  
**Formula:** PRC Color : 5%  
Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color, Neon Color and CMYK Color  
On CMYK or Halftone print, one stroke-one coat only. Preferably, wet on wet print  
Can be printed on top of other base inks without need of mixing in with other base

**Envirotex Clear WG33**- Great transparency that is best used for CMYK prints for a brilliant print output. Eco-Elastic & Glossy. A transparent base for direct print on white or light ground fabric for color print output. It can be mixed in with white base, matte base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Wetlook to many printers. Envirotex is the eco-type series.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats (for more rubberized feel), with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard:** Clear Base: 95%  
**Formula:** PRC Color : 5%  
Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color, Neon Color and CMYK Color  
On CMYK or Halftone print, one stroke-one coat only. Preferably, wet on wet print  
Can be printed on top of other base inks without need of mixing in with other ba

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**Arbitex Matte MM - Brilliant matte finish**– A translucent base for direct print on white or dark / color ground fabric for color print output. It can be mixed in with white base, clear base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Opaque to many printers.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard** Matte Base: 93%  
**Formula:** PRC Color : 7%  
Total : 100%

**Arbitex Matte M2** - Regular matte finish. A translucent base for direct print on white or dark / color ground fabric for color print output. It can be mixed in with white base, clear base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Opaque to many printers.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard** Matte Base: 93%  
**Formula:** PRC Color : 7%  
Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color, Neon Color, and Simulation Color  
On Simulation halftone print, one stroke-one coat only. Safer, dry on dry print.  
Can be printed on top of other base inks without need of mixing in with other base

**Envirotext Matte MG33** - Brilliant matte finish. Eco-Elastic & Glossy. A translucent base for direct print on white or dark / color ground fabric for color print output. It can be mixed in with white base, clear base, or puff base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Jersey (sportswear) fabrics. It is also known as Opaque to many printers. Envirotext is the eco-type series.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

**Standard** Matte Base: 93%  
**Formula:** PRC Color : 7%  
Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color, Neon Color, and Simulation Color  
On Simulation halftone print, one stroke-one coat only. Safer, dry on dry print.  
Can be printed on top of other base inks without need of mixing in with other base

## ARBITREND SERIES- SPECIAL EFFECT PRINTING

**Arbitrend Puff** – Creates an elevated print design with a soft-rounded puff or 3D effect. A 3D effect print base for direct print on white or color ground fabric. It can be mixed in with white base, matte base, or clear base or just pure base. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric. It is also known as Emboss to many printers.

**Process:** Use between 80 – 100 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 coat, with 2 or 3 strokes only.  
It must sit directly onto the fabric, and must not sit onto any inks  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

<b>Standard</b>	<u>Puff Base : 100%</u>	Puff Base : 95%	Puff Base : 75%	Puff Base : 85%
<b>Formula:</b>	Total : 100%	<u>PRC Color : 5%</u>	White/Clear Base : 20%	Matte Base : 10%
		Total : 100%	<u>PRC Color : 5%</u>	PRC Color : 5%
			Total : 100%	Total : 100%

**Note:** Available: Base only, Ready Mix Standard Color  
Ideally, must be printed on with top coat of similar shade of Clear or Matte color base.  
Can be printed as an underbase and purely top coated with other base inks.  
Avoid too high temperature curing to prevent print curling. Once pressed, mixed color shade will reduce by 50% or more.

**Arbitrend Metallic AP** – Reflects the light and creates a metallic shine with bright sparkling effects. A metallic effect print base for direct print on white or color ground fabric. It can be mixed in with clear colored base to achieve multi-color metallic shade. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat.  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

<b>Standard</b>	<u>Metallic Base : 100%</u>	Metallic Silver Base : 70%	Metallic Silver Base : 50%
<b>Formula:</b>	Total : 100%	<u>Clear Base with Color : 30%</u>	Clear Base with Color : 50%
		Total : 100%	Total : 100%

**Note:** Available: Base only, Standard Metallic Color  
It can seat directly onto color ground fabric, without need of underbase print

**Arbitrend Pearl Silver AP** - Popular for its warm and silvery tone with a mesmerizing pearl-like detail. A pearlescent or capiz effect print base for direct print on white or color ground fabric. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric.

**Process:** Use between 80 – 100 mesh (Silver & Gold) / Use between 40 – 60 mesh (Rainbow)  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat.  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

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Standard	Pearlescent Base : 100%	Pearl Silver Base : 99%
Formula:	Total : 100%	PRC Color : 1%
		Total : 100%

**Note:** On Pearl Silver, it can be mixed with clear colored base to achieve multi-color pearlescent shade. It can seat directly onto color ground fabric, without need of underbase print.

**Arbitrend Pearl Gold AP** - Popular for its warm and golden tone with a mesmerizing pearl-like detail. A pearlescent or capiz effect print base for direct print on white or color ground fabric. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric.

**Process:** Use between 80 – 100 mesh (Silver & Gold) / Use between 40 – 60 mesh (Rainbow)  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat.  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

Standard:	Pearlescent Base : 100%
Formula :	Total : 100%

**Note:** It can seat directly onto color ground fabric, without need of underbase print

**Arbitrend Pearl Rainbow AP** - Popular for its warm and rainbow tone with a mesmerizing pearl-like detail. A pearlescent or capiz effect print base for direct print on white or color ground fabric. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric.

**Process:** Use between 80 – 100 mesh (Silver & Gold) / Use between 40 – 60 mesh (Rainbow)  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat.  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

Standard:	Pearlescent Base : 100%
Formula :	Total : 100%

**Note:** It can seat directly onto color ground fabric, without need of underbase print

### ARBISOL SERIES- MIMICS SUBSTRATE FEEL PRINT

**Arbisol EL** –Cost cutting print on white or light ground fabric . A transparent base for direct print on white or light ground fabric for color print output. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric. It is also known as Ordinary Base to many printers.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

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Standard EL Base : 95%  
Formula: PRC Color : 5%  
Total : 100%

Note: Available: Base only and Ready Mix Standard Color, and Neon Color. CMYK Color mixed upon request.  
On CMYK or Halftone print, one stroke-one coat only. Preferably, wet on wet print  
Cannot be top coated on Arbitex Series inks  
Washing fastness is not as good as the Arbitex Series

**Arbisol TWS** – Prints with ease on texturized substrates like terry cloth and cotton substrates. A transparent base for direct print on white or light ground fabric for color print output. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric, and on a Terry Cloth.

Process: Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

Standard TWS Base : 95%  
Formula: PRC Color : 5%  
Total : 100%

Note: Available: Base only, Special & CMYK Color mixed upon request.  
On CMYK or Halftone print, one stroke-one coat only. Preferably, wet on wet print  
Cannot be top coated on Arbitex Series inks  
Washing fastness is not as good as the Arbitex Series

**Arbisol MTS** – Extender matte base that can attain a distressed effect. A translucent base for direct print on white or light ground fabric for color print output. It is best printed on a 100% cotton fabric, but it can also be printed on a polyester-cotton fabric. It is also known as Faux Discharge Base.

Process: Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1 or 2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 100°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

Standard MTS Base : 93% MTS Base : 80%  
Formula: PRC Color : 7% Arbiar White SC : 20%  
Total : 100% Total : 100%

Note: Available: Base only  
Cannot be top coated on Arbitex Series inks  
Washing fastness is not as good as the Arbitex Series

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**Arbisol DS100** – brilliant color print output yet mimics the substrate texture. A transparent base for direct print on dark ground fabric with the aid of an accelerator, for color print output. It is best printed on a 100% dischargeable cotton fabric. It is also known as the Discharge Base.

**Process:** Use between 80 – 120 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 2 coats, with 2 or 3 strokes per coat.  
Well dry after first coat. Full dry after second coat  
Cure on Heat Press at 120-130°C for 20 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

<b>Standard</b>	DS100 Base : 90%	DS100 Base : 70%
<b>Formula:</b>	PRC Color : 10%	Arbiar White SC : 30%
	Total : 100%	Total : 100%

**Accelerator** Aquagent 100 : 6% -10% Aquagent 100 : 6% -10%

**Note:** Available: Base only & Accelerator (Aquagent 100)  
Must Consume within 8 hours after Aquagent 100 is mixed in.  
Best set to heat press curing within 8 hours after printing.  
Washing fastness is very good.

### ARBITRANS SERIES-THE TRANSFER INKS

**Arbitrans KL** – brilliant transfer or effect print output . An adhesive base for direct print on dark or light ground fabric for use with paper medium, powder medium, and various types of medium.

**Process:** Use between 80-100 mesh  
Use a 65-75 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1-2 coats, with 2 or 3 strokes per coat.  
Well dry after first coat. Full dry after second coat  
Top with Paper (foil, flock, reflectorize) medium, powder (flock, Glitter powder) medium

<b>Standard</b>	Arbitrans KL : 100%
<b>Formula:</b>	Total : 100%

**Note:** Available: Base only  
Do not add in any auxiliary chemicals. In case this adhesive becomes sticky or tacky during the process of printing, just add fresh batch of Arbitrans Adhesive.  
Heat curing is important. On Paper Medium, use heat press machine. On Powder Medium, use conveyor heater or flash cure unit with proper setting

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### ARBIAIR SERIES- THE ARTWORK ON GARMENT

**Arbiair Series** – known as the airbrush paint wherein great work of arts can be achieved on the shirt or other fabrics. It is when the artist uses a badger or airbrush tool to spray the ink onto the substrate. It comes in Clear, Matte, and White liquid base.

<b>Standard Formula:</b>	<b>White SC: 100%</b>	<b>Matte DC : 93%</b> <b>PRC Color : 7%</b> <b>Total : 100%</b>	<b>Clear LCG : 95%</b> <b>PRC Color : 5%</b> <b>Total : 100%</b>
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**Note:** Available: Base only and Ready Mixed Standard Color  
Spray according to your design concept  
Can be used with Arbisol Series & Arbitex Series

<b>Products:</b>	<b>Arbiair White SC</b> • Used as stand alone white • Used as white underbase (by adding Ase 60)	<b>Arbiair Matte DC</b> • Ideal for light or dark ground substrates	<b>Arbiair Clear LCG</b> • Airbrush ink for light or white ground substrates
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### KEENPLAS SERIES-THE NON CLOG SERIES

**Keenplas Series** – the phthalate free plastisol inks. It comes in Clear, Matte, and White high viscosity base. The ST Series is ideal for manual printing. The MB Series is ideal for use on mechanize / automated printing. However, high temperature curing is a must; otherwise, it will not dry if not fully cured.

**Process:** Use between 100–300 mesh  
Use a 70-90 Shore, Square Edge or Bevel profile Squeegee for less ink deposit and Round Edge for more ink deposit  
Single or Triple Durometer  
Print 1-2 coats, with 2 or 3 strokes per coat  
Cure on Heat Press at 120°C for 15 seconds (Base on Stahls). Maybe higher on other Heat Press Machine

<b>Standard Formula:</b>	<b>Keenplas ST/MB White: 100%</b> <b>Total : 100%</b>	<b>Keenplas ST / MB Matte : 93%</b> <b>PC Color : 7%</b> <b>Total : 100%</b>	<b>Keenplas ST / MB Clear : 95%</b> <b>PC Color : 5%</b> <b>Total : 100%</b>
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**Note:** Available: Base only, Ready Mix Standard Color, and CMYK Color  
The inks will cracks and wash off if curing is not set correctly. Hence, ensure to set at a high temperature, but not too high to burn the substrate and the inks as well.

<b>Products:</b>	<b>Keenplas ST/MB White</b> • Used as stand alone white • Ideal for dark ground substrates • Achieves good opacity with a thick and heavy white print output	<b>Keenplas ST / MB Matte</b> • Ideal for light or dark ground substrates • Achieves a remarkable thick and heavy print a with matte-finish	<b>Keenplas ST / MB Clear</b> • Ideal for light ground substrates • Achieves a thick and heavy gloss print for emphasis
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**Also Available:**

<b>Products:</b>	<b>Keenplas Metallic Silver</b> • silver effect print plastisol inks version. Can be printed directly on colored fabric	<b>Keenplas Pearl Gold</b> • For that pearlescent gold print plastisol version. Can be printed directly on colored fabric	<b>Keenplas Pearl Silver</b> • For that pearlescent silver print plastisol version. Can be printed directly on colored fabric	<b>Keenplas Puff</b> • For the elevated print design with a soft-rounded puff or 3D effect, plastisol version
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## AUXILIARY CHEMICALS- THE ADDITIVE

**Binder F40** – one of the chemicals used for making extender base.

**Emulsifier LK** – It binds water and gas together. Another ingredients for making extender base.

**Varsol 3040**- solvent use as another ingredients for making extender base, use as cleaning agent for Keenplas Plastisol inks and may be use to clean palette or platen with table adhesive.

Formula to mix your own Extender base.

Binder F40	: 25%
Emulsifier LKL	: 7%
Varsol 3040	: 35%
Water	: <u>33%</u>
Total	100%

**Reducer CT**- use as diluting agent to reduce viscosity (pampalabnaw) on all kinds of waterbase inks. Just add a maximum of 5% on the waterbase paint. Make sure to mix thoroughly before printing. Reducer CT does not cause tackiness (lagkit), in fact it also reduces clogging during the process of printing.

**Thickener ASE 60**- use to increase the viscosity (pampalapot) of all waterbase inks. Just add a maximum of 3% on the waterbase inks.

**Fixer MR15** – use to improve the quality of print by adding on all waterbase inks, between 0.5 to 1.5 % depends on the fabric use. For cotton or Tshirt fabric, a maximum of 0.5% ; but usually not recommend since Keenworth inks have good washing fastness on cotton or cvc fabrics. For sportswear or Polyester fabric, a maximum of 1-1.5% %. It is recommended to iron on or heat press the print protected by a Teflon sheet, in order to properly cure the print. VERY IMPORTANT. Please be reminded TO CONSUME the inks within 24hours once fixer is added in the base.

**Viscosity Reducer**- the counterpart of reducer CT, for plastisol inks. It reduces viscosity/ Pampalabnaw of all plastisol inks.

## ACCESSORY CHEMICALS-THE SUPPORT TEAM

**Photo Flash 300** – high resolution type of Photo Emulsion. It can capture solid designs and very fine tonal details like CMYK, Simulation design with the right exposure unit. This is also sfe when printing on Plastisol inks.

**Photo flash SR** – high resolution solvent resistant emulsion for Keenplas inks and most specially on other Solvent inks.

**Photo Hardener** – this chemical is applied to strengthen the stencil made for waterbase type of stencil such as Photo Flash 300 in order to extend the life of stencil during mass production.

**Table Adhesive HC**- high concentrated adhesive use on screen printing table. Dilute 30-40% more water in lieu of concentration. Apply thinly on the palette or printing table, let dry (may use heat gun or blow dryer) before T shirt fabric may be placed on the printing table. Make sure that the table adhesive is thoroughly dry otherwise the adhesive will stick to the fabric.

**Clog Opener**- just 2 to 3 Spray of this chemical on the screen before printing. This reduces clogging tendency and helps easier to clean the clog.

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**Screen Degreaser** – for better adhesion of Photo emulsion or stencil solution, sprayed on screen mesh to removes dirt, oil, or grime, and washed the screen mesh after. This must be done prior to application of Photo Emulsion or Stencil solution. It is recommended to use high pressured water sprayer to thoroughly clean the screen mesh. Use chamois fabric to pat dry the screens.

## OTHER CHEMICALS FROM PRINTWORK

**Chlorotene**- stain remover chemical. It removes unwanted stain on fabric. Spray gun is recommended as tool to efficiently remove stains with the Chlorotene. Apply Chlorotene on stained area then spray with high pressured water to remove stains

**Stencil Remover**- Emulsion Remover or Stencil Remover 10gms can be used, if one wishes to reclaim the screen. Recommended mixture is 1 Liter of water for every pack for new stencils. However, if the stencils to be reclaimed are old stocks then we advise to reduce the water to 500ml or even less.

**Direction:** Dissolve powder or chemical into the water. Then using sponge or old toothbrush, apply circular motion on the screen with stencil remover solution. However, for several screen to be reclaimed, set up a container that would fit the frames and soak consecutively. Let stand for about Five (5) minutes then apply strong water pressure on the screen to remove stencil.  
**NOTE:** DO NOT allow the chemical to dry up on the screen once it is applied, otherwise this will make the stencil even harder to reclaim.

**Aluminum /Wood Frame adhesive**- adhesive used to attached screen mesh for both Aluminum frames and wooden frames during the process of stretching.

**Screen Opener**- a chemical used to aid in removing stubborn ink residue in the screen mesh during the process of screen printing.

**Ghost and Haze Remover**- to totally clean remaining haze or image of used/ old stencil or to remove stencil with Photo hardener.

**Direction:** Wet the screen with water, use sponge or spatula and apply thinly on both side of the screen with Ghost and haze remover. Let it stand for 5-8 minutes more or less for stencil without Photo hardener or 10-15 minutes more or less for stencil with photo hardener, then spray with high pressured sprayer.

**NOTE:** It is the discretion of the user to determine the ideal time as this will depend on the kind of stencil used. **WEAR GLOVES** to protect skin. Screen Opener- a chemical used to aid in removing stubborn ink residue in the screen mesh during the process of screen printing.

**Sprayway Adhesive #82**- a table or pallet adhesive in the form of spray. This is suitable for all types of screen printing inks that does not require high temperature curing process

**Sprayway Adhesive #84**- a table or pallet adhesive in the form of spray that can withstand high temperature curing process. Its suitable for plastisol inks user or for those who uses flash cure unit as curing process of their print.

**Sprayidea Adhesive #90**- a cheaper alternative table or pallet adhesive in the form of spray that can withstand high temperature curing process. Its suitable for plastisol inks user or for those who uses flash cure unit as curing process of their print.

**Sprayway Screen Opener #957**- a chemical used to aid in removing stubborn ink residue in the screen mesh during the process of screen printing in the form of spray.

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