

# The guide to inks, additives and adhesives

We don't supply these – but we know a lot about them. It is very important to ensure that you have the right combination of paper, inks, additives and adhesives. Our experience ensures that you can always make the right choice.

*In this section, we explain;*

- The different products, their properties, their uses, how to use them.
- Our recommended suppliers.

Remember, further advice is only a phone call away. We are always glad to hear from you

## PRODUCTS

### Plastisol

- Transfers made using Plastisol inks are ideal for garments which are at 50% cotton or more.
- Can be used by screen printers.
- Can be hot, warm or cold peel.
- Phthalate free inks are available.
- Thinners are available.
- Resistant up to 60° C.
- Not suitable for dry cleaning, direct ironing or industrial uses.
- Avoid over-curing to ensure quality of transfer.
- Use a flat bed or a cylinder press.
- Can be used with a wide variety of adhesives.

### Glitter

A polyester glitter can be added to a clear or translucent plastisol ink. Up to 25% glitter by weight can be added.

### Printed adhesives and powdered adhesives

Adhesives can be overprinted to either improve adhesion to synthetic substrates or to reduce transfer temperatures.

For maximum effectiveness, add adhesive powder to the back of the wet ink before it sets, taking care to remove any excess.

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## Workwear transfers

*These transfers are designed to resist wear and tear.*

- Resistant up to 95° C.
- Recommended for dry cleaning and industrial use.
- Not suitable for nylon.
- Use a flat bed press.
- Heat set on paper until dry to the touch – at 120° C for 40 – 80 secs.

## Sportswear transfers

*These transfers are for decorating sublimated textiles.*

- Resistant up to 60° C.
- Not suitable for dry cleaning or industrial use.
- Use a flat bed press.
- Heat set on paper until dry to the touch – at 120° C for 40 – 60 secs.

## SUPPLIERS

To follow is a list of suppliers whose products have been used successfully with our papers. This is a guide only – and it is always recommended that you trial your combination of inks, paper and machinery.

If you would like us to recommend inks, additives and adhesives for a specific job, just contact your sales manager, who will be happy to advise.

## Plastisol inks

<b>Supplier and Website</b>	<b>Product Name</b>	<b>Description</b>
<b>Sun Chemical</b> www.sunchemical.com	Plastex 69-00 Series	plastisol hot or cold peel screen inks
	Marlertex	plastisol hot or cold peel screen inks
<b>Sabur</b> www.sublimationinks.com	Extraclear LC	phthalate free plastisol hot or cold peel screen inks
<b>Lancer</b> www.lancergroup.com	900 Series	hot split plastisol screen inks
	950 Series	plastisol hot or cold peel screen inks with high opacity
	905 Clear Base	screen printed base for overprinting using 4 colour screen inks
	600SS Series	plastisol hot or cold peel 4-colour screen printed ink system
	Evolution	phthalate and pvc free formulations are available

## Plastisol inks

Supplier and Website	Product Name	Description
<b>Polyone/Wilflex</b> <a href="http://www.polyone.com">www.polyone.com</a>	Transflex Super	plastisol hot or cold peel screen inks with high opacity
	Transflex Soft	plastisol hot or cold peel screen inks for light coloured garments
	Transflex 10007 Clear	screen printed base for printing 4 colour screen inks on
	Transflex 4 Colour	plastisol hot or cold peel 4 colour screen printed ink system
<b>Sericol</b> <a href="http://www.sericol.co.uk">www.sericol.co.uk</a>	MultiTran XM	plastisol hot or cold peel screen inks
<b>Union</b> <a href="http://www.unionink.com">www.unionink.com</a>	Ultrasoft Plastisol	plastisol hot or cold peel screen inks
	Transopake Plastisol	plastisol hot or cold peel screen inks with high opacity
	Easy Split Transfer Clear	screen printed base for printing 4 colour screen inks on

## Offset litho ink systems

Supplier and Website	Product Name	Description
<b>Sun Chemical Screen</b> <a href="http://www.sunchemical.com">www.sunchemical.com</a>	Texlith	litho printed cold peel textile inks plus backing white range
<b>Lancer</b> <a href="http://www.lancergroup.com">www.lancergroup.com</a>	966 Series	litho printed cold peel textile inks
<b>Union</b> <a href="http://www.unionink.com">www.unionink.com</a>	Lithotrans Litho Ink	litho printed cold peel textile inks

## Screen printed white backers for offset litho ink systems

Supplier and Website	Product Name	Description
<b>Sun Chemical Screen</b> <a href="http://www.sunchemical.com">www.sunchemical.com</a>	PF transfer backing white	screen printed backer
	Transfer Backing White 69-845	screen printed white plastisol
	Transfer Backing Base 69-915	screen printed backer
<b>Lancer</b> <a href="http://www.lancergroup.com">www.lancergroup.com</a>	555 White Backer	screen printed backing white plastisol
	Evolution	phthalate and PVC free system
<b>Sericol</b> <a href="http://www.sericol.co.uk">www.sericol.co.uk</a>	Multitran XM011	screen printed backing white plastisol
<b>Union</b> <a href="http://www.unionink.com">www.unionink.com</a>	Low Cure White Plastisol Backer	screen printed backing white

## Solvent based screen printed ink systems

Supplier and Website	Product Name	Description
<b>Sericol</b> www.sericol.co.uk	Nylotex NX	solvent based screen ink used with Nylobag NB386 catalyst
<b>Polyone wilflex</b> www.polyone.com	Wilflex One Step Nylon Ink	solvent based ink used in conjunction with Hugger catalyst
<b>Union</b> www.unionink.com	Nylonbag	solvent based screen ink and catalyst system

## Water based screen printed ink systems

Supplier and Website	Product Name	Description
<b>Lancer</b> www.lancergroup.com	Aquatex	water based screen inks
	Plastex high stretch Textile ink	high stretch water based screen ink
<b>Unico</b> www.unico.be	Unitex OP	screen printed water based ink that can be used for cold peel transfers
	Unitex TR	screen printed water based ink
	Water based Puffing Ink	screen printed water based ink
<b>Union</b> www.unionink.com	Aerotex	air cured water based screen inks
<b>Sericol</b> www.sericol.co.uk	Permaset	water based screen ink

## Textile effect inks and additives

### Reflective Inks

Supplier and Website	Product Name	Description
<b>Polyone/Wilflex</b> www.polyone.com	Wilflex Imagebright Reflective	screen printable reflective inks reflective inks
<b>Lancer</b> www.lancergroup.com	Retroflec 2®	screen printable reflective inks

### Metallic Inks

Supplier and Website	Product Name	Description
<b>Polyone/Wilflex</b> www.polyone.com	Wilflex Glitter	screen printable glitter ink
	Wilflex MCV-FF Metallics	screen printable metallics
	Transflex Ultra Gold/Silver	screen printable metallics
<b>Lancer</b> www.lancergroup.com	Metallic Gold Powder	screen printable additive

# Textile effect inks and additives

## Sparkle inks

Supplier and Website	Product Name	Description
<b>Polyone/Wilflex</b> www.polyone.com	Wilflex IS Yellow Sparkle	screen printable sparkle ink
<b>Lancer</b> www.lancergroup.com	Glitter Flakes	sparkle additive

## Glow in the dark additives

Supplier and Website	Product Name	Description
<b>Polyone/Wilflex</b> www.polyone.com	Wilflex GNS Phosphorescent	this is an additive for screen printable inks and advice should be sought from the supplier on how to use
<b>Lancer</b> www.lancergroup.com	Glow in the dark pigments	glow in the dark additive

## Puff additives

Supplier and Website	Product Name	Description
<b>Sun Chemical Screen</b> www.sunchemical.com	Plastex Expanding Base 69-908	additive to generate a puff transfer
<b>Lancer</b> www.lancergroup.com	878SS Series	additive to generate a puff transfer
	Evolution	phthalate and PVC free formulations are available
<b>Polyone/Wilflex</b> www.polyone.com	Transflex Tuf Puff	additive to generate a hot peel puff transfers
<b>Union</b> www.unionink.com	Transpuff Plastisol	screen printed inks to generate a hot peel puff transfers

## Powdered adhesive suppliers

Supplier and Website	Product Name
<b>CHT R. Beitlich GmbH</b> www.cht-group.com	Tubitrans Elastomelt 100F
<b>EMS Chemie AG</b> www.ems-group.com	Griltex Q82
<b>Schaetti AG</b> www.schaetti.ch	Schaetti Fix 6005
<b>Lancer</b> www.lancergroup.com	Superhold

Always check with the supplier on health and safety issues associated with using such products.

## Further Information

We have guides which give you everything you need to know about our trutexile range of textile transfer papers:

**Texitran CP**

**Texitran HS**

**Texitran ECO**

**Texitran DS**

*We have also published two more simple leaflets on getting the most from our coated papers;*

- The guide to better printing – how to transfer print effectively.
- The guide to inks, additives and adhesives – ensuring you have the right combination for the paper chosen.

If you would like a copy any of these, we will post or e-mail them straight to you.

## Getting in touch

We look forward to hearing from you!

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