

MADE IN FRANCE



FILMS FOR PRINT & CUT



FLOCK & FLEX

HEAT TRANSFER FILMS

A complete range of products for
textile application... Colored and soft



PRINT & CUT

Printable heat transfer PU film,
super easy weeding



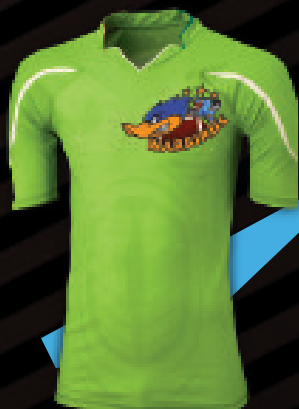
**TATOO
GRAFFITI
MOZAIC**
PAGE 04

Ecosol Ink jet printing
on dark fabrics ?



CLEARFLEX MATTE
PAGE 06

CLASSICPRINT
PAGE 07



TATOO SBB MAXIMA
PAGE 08

TATOO NYLON
PAGE 09

Ink jet on Jerseys
(migration) ?



**FIBERPLUS
ECOPRINT**
PAGE 10



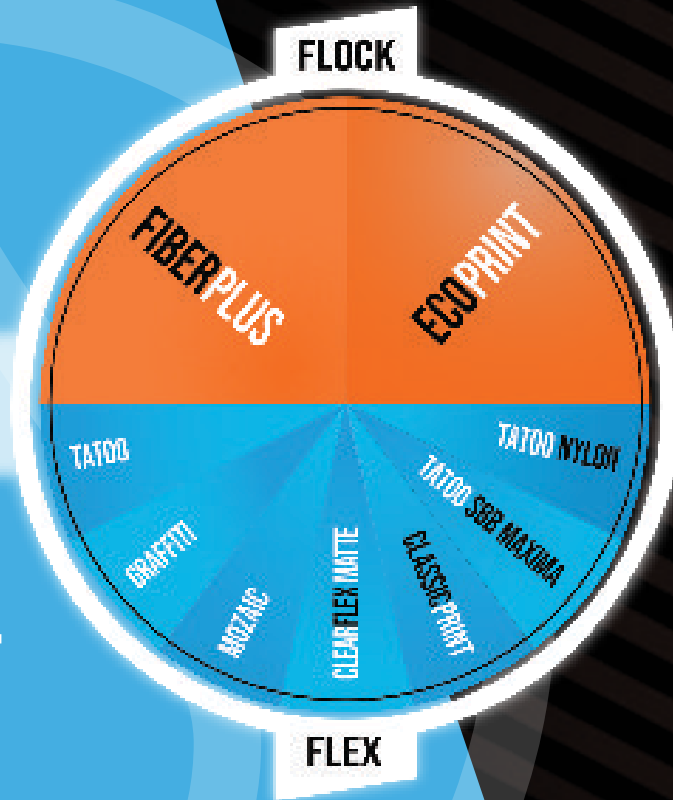
Ecosol ink jet
on white shirts ?



Ink jet on
« Nylon » bags ?

Sublimation ink jet on
dark shirts ?

PRINT & CUT



Washing Fastness:

Soft and stretchy heat transfer films have a better washing fastness. During washing or drying a soft film will not break nor crease and has a better resistance to abrasion. We recommend washing garments inside-out.



Adjusting heat transferring specifications to your needs:

The heat transfer specification displayed in this brochure have been set to offer the best product performance.

However you can slightly « tweak » the transferring specifications to your needs. You can lower the temperature for sensitive fabrics and compensate by increasing time & pressure. You can also reduce transferring time by increasing temperature & pressure.

Keep in mind that the temperature displayed by your heat press may not always be accurate, the actual temperature can be quite different, affecting the films performance.



Pre-press, post-press

Pre & post pressing are usually not needed, however, if fabrics contain too much moisture, a short pre-pressing can result in a better and more sustainable transfer. If needed, you can increase the washing fastness of some of our printable films, such as Tatoo and Graffiti, with a short post-pressing right after peeling the transfer tape, 10 to 15 seconds.

TIPS!



PRINT & CUT

ELASTICITY



TATOO

One of the thinnest and softest 100% PU printable films you can find!

Tatoo is an opaque polyurethane film. Very light, very stretchable with high washing fastness. Suitable for solvent and eco-solvent printing (including TrueVis). Tatoo is PVC free.



GRAFFITI

NEW

Printable heat transfer PU film with the best compromise between easy cutting and soft feel!

Graffiti is a high quality opaque polyurethane film. Light, stretchable very easy to cut and with high washing fastness. Suitable for Eco-solvent, Solvent and Latex-printing. Graffiti is PVC free.



MOZAIC

Printable heat transfer PU film, super easy weeding !

MoZaic is a printable PU flex designed to be very user friendly. You can choose between a fast 5 seconds transfer time or a low 130 °C transfer temperature. Reduce your production time with MoZaic !

FEATURES:



ONLINE PRODUCT
INFORMATION

SUITABLE FOR
STANDARD
TEXTILES



Opaque flex film
with incredible
touch and
silk-glossy surface



Waterbased PU



Class II



60μ



Printable with
Eco-Solvent and
Solvent

TRANSFER CONDITIONS N°1 :



165°C / 330 F



7 s.
+ 15 s.
sans tape



Medium /
High



60°C / 140 F



Hot peel

TRANSFER CONDITIONS N°2 :



165°C / 330 F



17 s.



Medium



40°C / 104 F



Hot peel

► PACKAGING



50 cm

50 cm

75 cm

75 cm



10 meters

25 meters

10 meters

25 meters

FEATURES:



ONLINE PRODUCT
INFORMATION

SUITABLE FOR
STANDARD
TEXTILES



Opaque flex film
with good
touch and
matt surface



Waterbased PU



60μ



Printable with
Eco-Solvent,
Truevis,
Solvent and Latex

TRANSFER CONDITIONS ON POLYESTER:



125°C / 260 F



10 s.



Medium /
High



60°C / 140 F



Hot peel

TRANSFER CONDITIONS ON COTTON:



150°C / 300 F



10 s.



Medium



60°C / 140 F



Hot peel

► PACKAGING



50 cm

50 cm

75 cm

75 cm



10 meters

25 meters

10 meters

25 meters

FEATURES:



ONLINE PRODUCT
INFORMATION

TAPLESS
APPLICATION
POSSIBLE



Opaque printable
PU with
matt surface



Waterbased PU



75μ



Printable with
Eco-Solvent,
Truevis, Solvent,
Latex and UV

TRANSFER CONDITIONS N°1 :



150°C / 300 F



05 s.



Medium



60°C / 140 F



Hot peel

TRANSFER CONDITIONS N°2 :



130°C / 270 F



10 s.



Medium

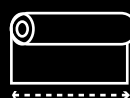


60°C / 140 F



Hot peel

► PACKAGING



50 cm

75 cm

50 cm

75 cm



25 meters

25 meters

10 meters

10 meters

WEEDING

CLEARFLEX MATTE

SUITABLE FOR
STANDARD
TEXTILES

ClearFlex is a transparent polyurethane flex film, developed for ecosolvent or solvent inks. Extra light and stretchable, ClearFlex offers a great solution for all white and light colored fabrics. Once printed and applied ClearFlex is so thin and stretchable that it almost feels like a screen printed image. Mirrored printing for total protection. No application tape needed!

FEATURES:



Transparent flex
for white
and light
colored textiles



Heat sealable PU



40µ



Printable with
Eco-Solvent
and Solvent

UTILISATION :



160°C / 320 F



15 s.



Medium /
High



60°C / 140 F

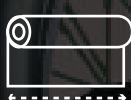


Cold peel



ONLINE PRODUCT
INFORMATION

► PACKAGING



50 cm

10 meters

50 cm

25 meters

75 cm

10 meters

75 cm

25 meters

TEXTILES FOR CLEARFLEX

ClearFlex also works fine with light coloured fabrics such as light yellow or light blue. Just make sure that the colour of the fabric is not dominant in the printed artwork.



CLASSICPRINT

SUITABLE FOR STANDARD
TEXTILES

ClassicPrint is easy to use and very user-friendly!

Easy to print, to cut and to weed (no application tape needed!). It has a very high washing fastness and is suitable for Eco-solvent, Solvent, Latex and UV printing.

FEATURES:



PVC-based



140µ



Printable with
Eco-Solvent,
Truevis, Solvent,
Latex and UV

UTILISATION :



165°C / 330 F



17 s.



Medium /
High



60°C / 140 F



Hot peel

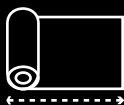
ONLINE PRODUCT
INFORMATION ►



► PACKAGING



50 cm



10 meters

50 cm

25 meters

75 cm

10 meters

75 cm

25 meters



PRINT & CUT

TATOO SBB MAXIMA

SUITABLE FOR
TEMPERATURE
SENSITIVE AND
MIGRATING TEXTILES

Tattoo SBB Maxima is the 3rd generation SBB film by SEF
Highly technical film designed to prevent migration when
heat transferring to dyed polyester fabrics (sports jerseys type).

FEATURES:



Printable PU
with
matt surface



Waterbased PU



160µ



Printable with
Eco-Solvent,
Truevis, Solvent,
Latex and UV

TRANSFER CONDITIONS :



135°C / 275 F



10 sec



Medium
/ High

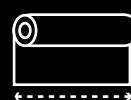


40°C / 104 F

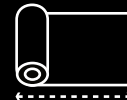


Hot peel

PACKAGING



50 cm



25 meters

ONLINE PRODUCT
INFORMATION ▶



MIGRATION / RE-SUBLIMATION

Heat transferring films on polyester or polyamide fabrics can result in "migration".

The heat of the press can re-activate the inks and start migration (change the color) on the heat-transferred graphic.

This migration, or re-sublimation, phenomenon can take 48 to 72 hours to happen, sometimes even 2 to 3 weeks.

- 1 If you transfer on fabrics other than polyester or polyamide there is no actual migration risk, you can therefore use any of our standard heat transfer films.
- 2 If you transfer on sublimated polyester fabrics (the back of the fabrics is white or lighter shade of color) a low temperature film can prevent migration. But test don't guess and use Tattoo SBB Maxima if you have any doubts!
- 3 If you transfer on dispersed dyed polyester fabrics (same color back and front of the fabric) the use of SEF Tattoo SBB Maxima films is mandatory.
- 4 "Soft shell" garments made out of dispersed dyed micro fibers are the worst "migration" case scenario, we recommend to carefully test Tattoo SBB Maxima films every time.

TATOO NYLON

PU film with very low application temperatur.

SUITABLE FOR
TEMPERATURE
SENSITIVE AND
COATED TEXTILES

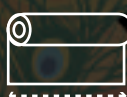
PRINT & CUT

NYLON

Nylon fabrics are made out of polyamide fibers and

heat-transferring films on nylon fabrics often results in an adhesion issue. This adhesion issue is not because of the nylon fiber itself but because of the water-repellent coating it has received. The water proofing coating not only repels water but also the hot melt adhesives used in standard films. Tatoo Nylon contains a specifically designed low temperature hot melt adhesive and is the perfect solution to nylon adhesion problems. An easy test with a drop of water on the fabric will tell you if you should use Tatoo Nylon.

PACKAGING



50 cm

10 meters

50 cm

25 meters

75 cm

10 meters

75 cm

25 meters



ONLINE PRODUCT
INFORMATION



FEATURES:



Printable PU
with
matt surface



Waterbased PU



70μ



Printable with
Eco-Solvent,
Solvent, Latex and UV

TRANSFER CONDITIONS:



115°C / 240 F



15 s.



Medium



60°C / 140 F



Cold peel

FIBERPLUS

SUITABLE FOR
STANDARD
TEXTILES

FiberPlus is a heat sealable flock-film for Sublimation printing.

FiberPlus uses an exclusive polyester microfiber, and 100% polyurethane resins.

FiberPlus has an excellent washing fastness (up to 60 °C - 140 °F), is very light and stretchable, and gives outstanding printing results.

PACKAGING

	
50 cm (19,7")	10 meters
100 cm (39")	30 meters

	
50 sheets	A4
50 sheets	A3

ONLINE PRODUCT
INFORMATION ▶



FEATURES:


Waterbased PU


400µ


Printable
with Sublimation



◀ DEMO-VIDEO

TRANSFER CONDITIONS:


160°C - 170 °C
320 - 340 F


15 - 17 s.


Low
/ Medium


60°C / 140 F


Hot peel

ECOPRINT

With its incredible elasticity and its soft touch EcoPrint is an excellent alternative to standard flex films. EcoPrint is printable with Solvent and Ecosolvent inks.



COLORS OF PRINTABLE FLOCK

The soft surface of EcoPrint will absorb more ink than the surface of a flex. For beautiful intense printings you can set place printed to print 2 layers of ink. Most printers allow multiple printings passes. The washing fastness will not be changed.

PACKAGING

	
50 cm	10 meters
50 cm	25 meters
75 cm	10 meters
75 cm	25 meters


ONLINE PRODUCT
INFORMATION ▶



FEATURES:



Flock en coton


Basé sur PVC


Classs I


450µ

TRANSFER CONDITIONS:


160°C - 170 °C
320 - 340 F


15 - 17 sec


Medium


40°C / 104 F


Hot peel

ACCESSORIES AND TAPES

FLEXTAPE & FLOCKTAPE



► PACKAGING

25 cm	25 meters
25 cm	50 meters
50 cm	25 meters
50 cm	50 meters
75 cm	25 meters
75 cm	50 meters

ONLINE
PRODUCT
INFORMATION
(FLEXTAPE) ►



ONLINE
PRODUCT
INFORMATION
(FLOCKTAPE) ►



WEEDER



SEF

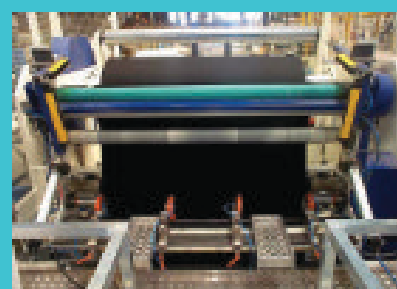
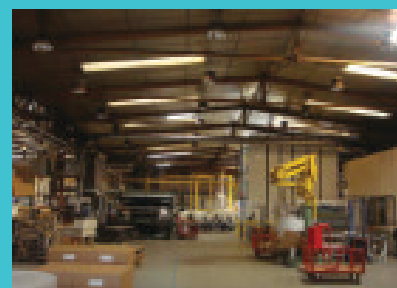
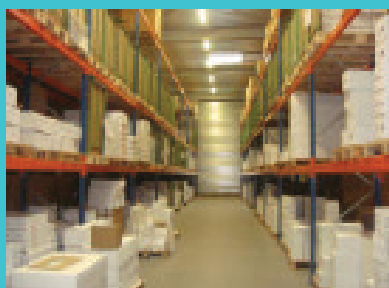
OFFERS THE SECURITY AND TECHNICAL SERVICE OF A MANUFACTURER

You discovered our wide range, colored and soft. Since 45 years SEF is manufacturing products for textile decoration.

With its plant in Laval, SEF is the only integrated manufacturer of water based Flock and Flex films. Ink formulation, coating, flocking, laminating and converting, everything in one single location.

Innovative products, beautiful and easy to use, but also local suppliers, short supply chains, products manufactured «water base» without solvents sprayed into the atmosphere ...

There are many reasons to try and adopt our range of films for textile decoration.



WE STRIVE TO DO BUSINESS IN A MORE ENLIGHTENED WAY, WHY ARE THINGS DIFFERENT HERE AT SEF?



Family run business

An international team working for you in a "family run" company where the human dimension and long run sustainability are crucial factors. 3 generations ago Pierre Lion invented industrial "flocking"



Integrated production

For 45 years SEF does highly technical chemistry. We formulate our own PU, we coat and flock our own films. Manufacturing, R&D, QC, shipping, all in one place.



European and local supply chain

95% of our suppliers are just a few hours driving from the factory in France – no unnecessary CO₂ and pollution importing cheap raw materials, only efficient local suppliers.



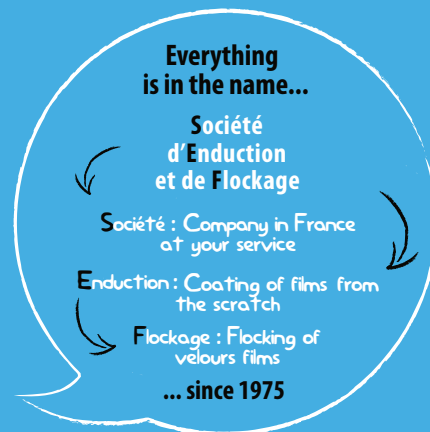
« Water Based Club »

It is a small club! Water based formulations only! Not a drop of solvent in our formulations, and no solvent fumes in our exhaust, only water vapor.



More than 45 years serving the heat transfer industry

From the early screen printing products we made in the 70's to the latest PU flex, we came a long way working with heat transfer materials. We introduced our first « digital cutting » films 17 years ago. 45 years serving the garment industry with Die-Cut, screen printing, HF welding and next generation Flock & Flex.



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