Texis

CUS
TOM
YOUR
STYLE IZE

HEXIS®

WHO IS HEXIS?

HEXIS is a key player in the market for the manufacture and adhesive coating of films designed for visual communication.
In 2014 the company is celebrating its 25th anniversary of innovation!

HEXIS devotes 3% of its turnover to R&D, and employs 350 staff around the world. HEXIS has ISO 9001 certification.

The company specialises in high performance cast PVC and Latex films, and develops a range of innovative products designed for professionals in the fields of digital printing, signage, lettering, vehicle and textile markings.

The HEXIS group is present all over the world thanks to its subsidiaries in the French Caribbean, Germany, Italy, Spain, Sweden and the USA, as well as a distribution network present on all 5 continents.

MADE IN FRANCE

In the last few months, you have almost certainly noticed the appearance of a label on our packaging, "Made in France".

At a time when the "Made in France" needs to be promoted, HEXIS has been mobilised for several years to highlight the know-how of its French factories, thus encouraging the development of new jobs in France and playing a part in the protection of the environment.

HEXIS produces its films in France in its two factories: at the headquarters in Frontignan near Montpellier and in Hagetmau in the Southwest of France. All the films in the TEXIS range are manufactured in Hagetmau.

MADE IN
FRANCE

CONTENTS

🧵 100% polyester
Mobile phone pouch
HFLEX105P

43°45'41.56"N
6°26'43.89"E

KA
LU
TA
RA

4

**EASY TO WEED
LITTLE BREAKAGE**

**MACHINE WASHABLE
UP TO 60°C**

**LAYERING OF COLOURS
POSSIBLE**

**CUSTOM COLOURS
ON REQUEST**

**EUROPEAN
PRODUCTION**

**WATER-BASED
MANUFACTURING**

**ECOLOGICAL
SOLVENT-FREE**

COTTON, POLYESTER* AND LYCRA®

TEXIS **CUTFLEX** HFLEX100P
SELF-ADHESIVE LINER

⇢ The elasticity of the polyurethane gives the HFLEX100P remarkable flexibility
⇢ It is recommended for markings on light, supple and stretchy fabrics
⇢ Its adhesive liner makes the graphic easier to position on the fabric before pressing
⇢ The specific formulation of the adhesive makes it possible to peel the liner while hot but it may also peeled warm or cold

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex® Standard 100
CQ 1126/1   IFTH

BLACK, WHITE, COLOURS

HFLEX101P	HFLEX112P	HFLEX102P	HFLEX103P	HFLEX106P	HFLEX105P
HFLEX109P	HFLEX114P	HFLEX115P	HFLEX161P	HFLEX162P	HFLEX173P
HFLEX108P	HFLEX110P	HFLEX119P	HFLEX167P	HFLEX104P

METALLIC   FLUO

| HFLEX120P | HFLEX130P | HFLEX140P | HFLEX141P | HFLEX142P | HFLEX143P |

Reference	Colours	Characteristics	Width	Length
HFLEX100P	Matt colours	Stretchable polyurethane 90µm film Liner PET 100µm	500mm	25m

*The HFLEX100P is not compatible with polyesters printed using the sublimation technique.
The references printed above are for information only. To visualise the actual colours, ask for our specific swatches from swatches@hexis.fr

COTTON, POLYESTER* AND LYCRA® TEXIS CUTFLEX HFLEX1000P
NON-ADHESIVE LINER

⤑ The composition of the HFLEX1000P has been designed to make the cutting and weeding of detailed graphics easier
⤑ It is recommended for making markings on thick and textured fabrics. It is ideal for personalising accessories such as luggage and baseball caps.
⤑ Its non-adhesive liner makes the weeding more practical, with less breakage. The non-adhesive properties of the liner thus make it possible to prepare kits in advance, preventing the elements removed during weeding from sticking to each other and being pressed afterwards.

BLACK, WHITE, COLOURS

HFLEX1001P	HFLEX1012P	HFLEX1002P	HFLEX1003P	HFLEX1006P	HFLEX1005P
HFLEX1009P	HFLEX1014P	HFLEX1015P	HFLEX1061P	HFLEX1062P	HFLEX1073P
HFLEX1008P	HFLEX1010P	HFLEX1019P	HFLEX1067P	HFLEX1004P	

METALLIC   FLUO

| HFLEX1020P | HFLEX1030P | HFLEX1040P | HFLEX1041P | HFLEX1042P | HFLEX1043P |

Reference	Colours	Characteristics	Width	Length
HFLEX1000P	Matt colours	Stretchable polyurethane 65µm film Liner non-adhesive PET 100µm	500mm	25m

*The HFLEX1000P is not compatible with polyesters printed using the sublimation technique.
The references printed above are for information only. To visualise the actual colours, ask for our specific swatches from swatches@hexis.fr

① PPO₂

② Heads or Tails
POP UP DINER

③ ALICE FLOWERS

④ Oceanic AIRLINES

⑤ STAFF

⑥ Hesus

SERIES 300: SPECIAL NYLON AND WATER-TREATED SUBSTRATES

FLEX301 FLEX302 FLEX315 FLEX319 FLEX329 FLEX345 FLEX349 FLEX365 FLEX368 FLEX371 FLEX377

POLYURETHANE/POLYAMIDE
THICKNESS 70µm
WIDTH 500mm
ROLLS OF 5, 15 AND 30m

SERIES 400: SPECIAL SUBLIMATED FABRIC

FLEX401 FLEX410 FLEX413 FLEX419 FLEX429

POLYURETHANE
THICKNESS 110µm
WIDTH 500mm
ROLLS OF 5, 15 AND 30m

SERIES 600: RETROREFLECTIVE FLEX

Colour in day light: grey
Retroreflected colour: white

FLEX 697C - Cotton
FLEX 697N - Nylon

FLEX697C FLEX697N

RETROREFLECTIVE CLASS 2 STANDARD EN471
THICKNESS 120µm
WIDTH 500mm
ROLLS OF 5, 15 AND 30m

① 100% polyester
Sports shirt
HFLEX101P

② 100% cotton
Baseball cap
HFLEX130P

③ 100% cotton
Apron
Solvent printing
UFLEX7P

④ 100% polyester
Travel bag
HFLEX101P
HFLEX130P

⑤ 100% nylon
Wind-cheater
FLEX697N

⑥ 100% cotton
Hoodie
Solvent printing
UFLEX6P

HFLEX100P | Application instructions

CUTTING THE FILM
It is preferable to do a test before cutting so as to optimise the settings of your plotter for optimal cutting of our film

1. MIRROR CUTTING
Using the plotter, cut from the film the graphic that you want to transfer as a mirror image.

2. WEEDING
Remove the excess material around the graphic to be transferred. You can use a weeding tweezers to remove the more delicate parts (see accessories, page 19)

3. PREPARING THE HEAT PRESS
Set the press to a temperature of 175 °C with average to high pressure.

4. PREHEATING THE FABRIC
To remove any humidity and flatten the fabric, press it a first time for around 5 seconds.

5. POSITIONING THE GRAPHIC
Once you have let the fabric cool down again, position the graphic the right way round. You should have the liner facing you, and the polyurethane film should be in contact with the fabric.

6. PRESSING
Once the graphic is in position, press it for 20 seconds at 175 °C.

7. REMOVING THE LINER
Just after you have finished pressing, remove the liner whilst still hot or if required to do later on, warm or cold.

8. COMBINING COLOURS
If the graphic is composed of several colours, repeat steps 5 and 6, but leave the fabric to cool down more when it comes to removing the liner

9. END RESULT
For an optimal adhesive effect, press the whole item again for another 5 seconds.

10. CARE INSTRUCTIONS
After pressing wait at least for 24 hours before washing or stretching the fabric. Machine wash at 60 °C maximum if the fabric so permits (check the instructions on the garment's label). Use laundry products that do not contain bleach. Drying the fabric in a tumble drier is not recommended. We recommend that you wash and iron the fabric inside out.

100% cotton
Apron
Solvent printing
PRINTFLEX UFLEX7P + cut-out

ALICE
FLOWERS

TEXIS PRINTFLEX — RANGE OF FILMS FOR DIGITAL PRINTING

These films are designed for printing, cutting and heat applying patterns and logos to textiles.

UFLEX6P – FOR COTTON, POLYESTER AND LYCRA®

Thanks to its remarkable elasticity, UFLX6P is recommended for producing medium- to large-sized graphics. It is particularly suited to light, flexible fabrics.

POLYURETHANE FILM 85µm – PET LINER – AVAILABLE IN 500 AND 750mm WIDTHS – 25m ROLLS

UFLEX7P – FOR COTTON, POLYESTER AND LYCRA®

UFLEX7P has been specifically designed for printed and cut-out graphics. Its composition makes detailed cut-outs in solid colours possible and the ink drying-time is almost nil. Thanks to its non-adhesive liner, it is easy to weed.

POLYURETHANE FILM 85µm – NON-ADHESIVE PET LINER – AVAILABLE IN 500, 750, 1370 AND 1500mm WIDTHS – 25m ROLLS

UF1200 - FOR NYLON

UF1200 has been designed for printed graphics destined for application onto nylon

POLYURETHANE FILM 80µm – PET LINER – AVAILABLE IN 500, 750 AND 1500mm WIDTHS – 30m ROLLS

UF1250 - TRANSPARENT FILM FOR COTTON

UF1250 is a transparent printable film. It must be transferred on to white fabric or must include a support layer of white before being transferred to coloured fabric.

TRANSPARENT POLYURETHANE FILM – 60µm – PET LINER - AVAILABLE IN 500, 750 AND 1500mm WIDTHS – 30m ROLLS

UF1400 - FOR SUBLIMATED FABRIC

UF1400 has been specially treated for graphics designed to be transferred on to sublimated fabrics (such as polyester). Its composition prevents the ink from bleeding into the flex, making it ideal for sports shirts (cycling and football).

TRANSPARENT POLYURETHANE FILM 125µm – PET LINER – AVAILABLE IN 500, 750 AND 1500mm WIDTHS – 30m ROLLS

HOW DO I TRANSFER MY PRINTS?

To transfer your prints, you need to use a transfer film. You can find these transfer films on the accessories page, p 19.

ICC PROFILES

As for any digital print it is recommended to use the dedicated ICC profile for your printer to ensure best results. Our ICC profiles are available for download from the Professionals pages of our website www.hexis-graphics.com

100% cotton
Polo-shirt
Solvent print
UFLEX6P

JUNE 2013

6TH INTER NATIONAL CONVEN TION

BIARRITZ - FRANCE

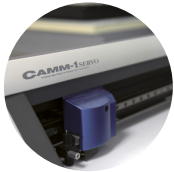|	UF1200 SELF-ADHESIVE LINER	UF1250 SELF-ADHESIVE LINER	UF1400 SELF-ADHESIVE LINER	UFLEX6P SELF-ADHESIVE LINER	UFLEX7P NON ADHESIVE LINER
ASPECT					
Opaque matt white	●		●	●	●
Transparent		●			
FABRIC COMPATIBILITY					
Cotton		●		●	●
Nylon	●				
Polyester				●	●
Lycra®				●	
Sublimated fabric			●		
SIZE OF LOGOS / IMAGES					
Small (less than 1 cm)					●
Medium (1-2 cm)	●	●		●	●
Large (more than 2 cm)	●	●	●	●	
TRANSFER TAPE					
HEX750	●		●		
No tape		●			
HEX860				●	●

🎽 100% cotton
T-shirt
Latex impression
UFLEX6P

PRINTFLEX | Application instructions

RECOMMENDATIONS

It is preferable beforehand to do a resistance test at the press temperature and for the compatibility of the Flex on the fabric. It is also recommended that you leave your prints to dry for 24 hours.

1. PRINTING

For the references UFLEX6P, UFLEX7P, UF1200 and UF1400, print the graphics on the positive side. For UF1250, mirror print. Leave all prints to dry for 24 hours.

2. CUTTING AND WEEDING

Cut the image using a plotter or the plotter option on your printer. Remove any excess material (weeding).
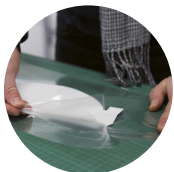

3. APPLYING THE TRANSFER TAPE

For the references UFLEX6P, UFLEX7P, UF1200 and UF1400, you must use a film (tape) to transfer your graphic (see table page 15).
Separate the tape from its protection, position and stick the tape to the printed image, cut and weed.
Apply the tape strongly with a squeegee, paying particular attention to the contours.
Turn the whole assembly over and remove the liner.
UFLEX1250 does not need tape as its backing acts as the transfer film.

4. PREHEATING THE FABRIC

Set your press to 160°C (UFLEX6P and UFLEX7P) or 170°C (UF1200, UF1250 and UF1400). To remove any humidity and flatten the fabric, first press it for 5 seconds.

5. POSITIONING THE GRAPHIC

Once you have left the fabric to cool down, place the graphic in the sense in which it is to be read. You must have the protector (the liner) facing you and the polyurethane film must be in contact with the fabric.

6. PRESSING

Once the graphic is in position, press it for 20 seconds at 160°C (UFLEX6P and UFLEX7P), or 20 seconds at 170°C (UF1200, UF1250 and UF1400).

7. REMOVING THE TAPE

Depending on the combination of fabric and flex, it is easier to remove the tape when the flex is hot, warm or cold. This will depend on each case in particular. You should nevertheless study the table below for guidance.

UFLEX6P	Hot
UFLEX7P	Warm
UF1200	Warm
UF1250	Cold
UF1400	Warm

8. END RESULT

For an optimal effect and adhesion, place a protection sheet TEFLEX or FILFLEX on the graphic and press the whole assembly for a further 5 seconds.

9. CARE INSTRUCTIONS

After pressing wait at least for 24 hours before washing or stretching the fabric. Machine wash at 40°C maximum. Use detergents that do not contain bleach, drying in a tumble drier is not recommended.
We recommend imperatively that you wash and iron the fabrics inside out.

①

① 🔖 100% sublimated
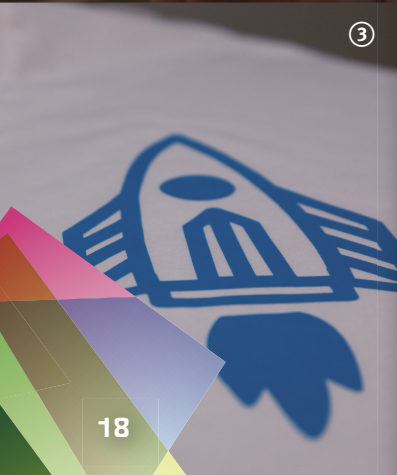Polyester
Spectacle case
FLEX401

② 🔖 100% cotton
Baseball cap
HFLEX101P

③ 🔖 100% cotton
T-shirt
HFLEX103P

②

③

④ 🔖 100% organic cotton
Baseball cap
HFLEX101P

WEEDING

WEEDER HOOK
makes it possible to weed the film

TWEEZ PINCER
flat weeding tweezers with straight edges
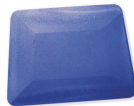
CURVTWEEZ PINCER
flat weeding tweezers with curved edges

APPLICATION OF THE TRANSFER FILM

MARBLEU
Soft squeegee for the application of the transfer film

FINISHING

FILFLEX
fabric protection sheet, size 600 x 400mm

TEFLEX
Teflon® protection sheet, 130 µm thick, size 438 x 500mm

TRANSFER TAPE

HEX750
transfer film, 100 µm
Low adhesive properties, used with UF1200 and 1400
Available 500mm wide in rolls of 25m

HEX860
transfer film, 50 µm
Strong adhesive properties, used with UFLEX6P and UFLEX7P
Available 500mm wide in rolls of 25m

HEAT PRESSES

PAEZAC
The Paezac is a standard heat press whose temperature and pressure can be regulated.
Dimensions of the plate: 40cm x 50cm

PAMAXI
The PAMAXI is a standard swing heat press whose temperature and pressure can be regulated. It is possible to order, as an option, a kit of four different pressing plates making it possible to adapt to different supports. This is practical for the personalisation of accessories.
Dimensions of the plates:
Main plate: 38cm x 50cm
Plate 1: 15.3cm x 15.3cm
Plate 2: 20.5cm x 20.5cm
Plate 3: 25.4cm x 25.4cm
Plate 4: 30.5cm x 30.5cm

The photos of the accessories are not contractually binding and may be changed without notice.

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