# Sublifix

Sportswear is often produced using sublimation printing techniques, with inks added to the polyester fabric to make it complete. The main advantage of this technique is that the garment remains lightweight, and the applied colours are bright and vivid. A drawback is that when applying a transfer to this type of garment, it is more difficult because of the risk of inks migrating.

The flexible, quality transfer Sublifix has an extra blocker layer that prevents any chance of ink migration (sublimation). Where a transfer such as Flextrans or Truflex cannot be used due to 'bleeding' of colours, Sublifix is the ideal solution.

Sublifix guarantees strong colours and high-resolution images. This transfer is available in almost any PMS colour, as well as in high visibility orange, green, red, pink, and yellow colours.

Sublifix

**For more detailed press instructions for Sublifix on various fabrics, click here.**

OEKO TEX®
STANDARD 100
1110043
Centexbel

**Description**

Sublifix is a heat seal transfer that has been developed for application on polyester, and other fabrics with bleeding due to free dye stuff migration properties. This type of transfer is fitted with an additional dye blocking layer.

Thermopatch strongly recommends testing on textiles where migration of free dye stuff can be expected. Examples are dispersion dyed polyester soft shell fabrics with elastane, polyester mix textiles, or polyesters with prints made by dye sublimation techniques.
Sublifix transfers are compliant to Oeko Tex 100 Class 1, under certificate number 1110043 Centexbel.

### Application

Silk screen printed transfers which are applied to textile or other heat sealable materials by heat and pressure for decoration or identification.

### Properties

- Washable up to 40°C domesting washing and drying
- Anti migration blocking properties against bleeding from free dye stuff from textiles. Suitable for all textiles which allow the thermoplastic adhesive to penetrate and bind itself to it and which are resistant to its application temperatures.

### Limitations of use

None, when washing instructions of the underlying textile are followed.

### Physical properties

Various, depending on size.

### Before sealing

Ensure that the to be marked textile is free of lint, dust, dirt and no seams, zipper, buttons etc. are near the place where the heat sealing will be performed.

### Heat seal instructions

| Type | Temperature °C | Time seconds | Pressure kg/cm2* | Washing |
|---|---|---|---|---|
| **Sublifix** | 145 – 155 °C | 15 | 0,5 | 40 °C |

Position the Sublifix transfer with the glue side downwards, onto the garment. Close the heat seal press with the set temperature, time and pressure.
Remove the carrier directly after the machine opens up.

** Pre-heating of polyester or polyamide fabric is recommended, for 5 – 7 seconds at the set temperature, to remove shrinking of the textile by contact with the heating platen, which can damage any transfer. *Covering transfers with baking paper is recommended due to the risk of static cling to the heating plate due to the properties of polyester and polyamide and -mix fabrics.*
** Good bonding can be prevented in pre-conditioned repelling fabric with DWR-coating. Re-sealing at the set temperatures for another 5 – 7 seconds, covered with baking paper or the removed carrier, can alleviate problems with adhesion on most repelling fabrics.*
** For an optimal heat sealing result we advise to set the pressure on any large platen pneumatic heat seal press to 3-5 bar on the pressure regulator of the machine, when using the standard issued*

*underplate. When using smaller underplates, decrease pressure to avoid damage to the transfers.*

Sublifix has hot peel properties which means that the applied transfer foil can be peeled off almost immediately after opening the press. Leave the garment to cool down for a few seconds before taking it off the machine and peel off the polyester carrier foil.

**Handling and storage**

Keep away from oxidising agents, from strongly alkaline and strongly acidic materials. Store out of direct sunlight, in a cool and dry place.
Shelflife: 1 year when stored in their original packing, out of direct sunlight, in a cool and dry place.

**Precautions**

No specific safety measures are required when working with this product. We advise to ventilate well at heat sealing activities, since vapours may occur from any material such as textiles being processed.

**Exposure controls / personal protection**

We advise to ventilate well at heat sealing activities, since vapours may occur from any textiles being processed.
Personal protection equipment:

- For the hands: None
- For the eyes: None
- For the skin: None
- For breathing: None

**Hazards identification**

The product has not been subjected to classification following the European legislation.
Special hazards designation for humans and environment: Not applicable.

**Disclaimer**

This information is based on the current state of our knowledge. It is however, no guarantee of product features and no contractual relationship.

**Recommended restrictions apply**

This product should not be used for purposes other than specified.

| Sublifix Transfers (for anti-sublimation and anti-migration, up to 40 °C) | | | |
|---|---|---|---|
| **Type of fabric** | **Temp. °C** | **Pressing time in sec.** | **Pressure in Bar Low/Medium/High** |
| Softshell | 145 – 155 | 15 | 3 (Low) |
| Sublimated polyester (100%) | 145 | 15 | 4 (Medium/High) |