Plotter Transfer

Die reflektierenden Plotter-Transfers sind nur in Silber erhältlich. Wir bieten außerdem flammenhemmenden Plotter-Transfers an, die für Uniformen mit flammenhemmenden Eigenschaften geeignet sind. Diese Transfers erfüllen die Europäische Norm EN ISO 20471.

Plotter Transfers

Plotter transfers	
Plotter transfers FR	



Thermopatch Reflective Plotter foil (silver)

Description

Thermopatch Reflective is an open lens type material containing microscopic glass beads bonded to a heat transfer active layer. In darkness and in reduced visibility the retro reflective properties of the material ensure a reflection of incident light.

Product

- Oeko Tex: 1110043 Centexbel
- EN ISO 20471:2013
- Washability: 60 °C / ISO 6330
- Wash: Inside out
- Color: Silver

Application

Thermopatch Reflective is designated to be applied on fabrics based on cotton, polyester and mixtures of cotton with polyesters. The right conditions of application (temperature, press a.s.o.) have

to be tested on each textile support separately before using!

Heat sealing

- Remove the protective layer on the adhesive side of the product
- Temperature ranges between 150°C and 165°C; (Depends on type of fabric)
- High temperature washing applications will ask for the higher temperatures in this range.
- Time: 20 – 15 seconds
- Pressure: 0.5 kg/cm²* pressure, or medium pressure on a manual operated heat sealing press. • Remove release film on top after a short cool down period (hand warm)
- For an optimal heat sealing result we advise to set the pressure on any large platen pneumatic heat seal press to 3-4 bar (medium) on the pressure regulator of the machine, when using the standard issued under platen. When using smaller underplates, decrease pressure to avoid damage to the transfers.

Material specification

Thermopatch Reflective FR is an open lens type material containing microscopic glass beads bonded to a heat transfer active layer. In darkness and in reduced visibility the retro reflective properties of the material ensure a reflection of incident light.

- Satra reference: SPC0216971/1331
- Certificates: EN ISO 20471:2013 – Class II
- Washability: 50 x 60 °C and 70 °C / ISO6330 Industrial washing: 50 x 75 °C ISO15797 + cabinet drying at 160°C
- Industrial washing: 50 x 75°C and 90 °C: ISO15797
- Dry cleaning (P): 25 cycles
- Flammability performance: EN 469
- Color: Silver

Overview minimum reflection values class II (EN ISO 20471) in cd/(lx.m²), observation angle 12 °:

Observation angle	Entrance angle	Thermopatch Reflective FR	Minimum requirement EN ISO 20471
12°	5°	550	330
20°	5°	360	250

Thermopatch Reflective Plotter foil FR (silver, Flame Retardant)

Application

- Temperature setting advised for application from/up to: 150 °C -165 °C
- Heat sealing time: 15 – 12 s
- Pressure: 0.5 kg/cm²* pressure, or medium pressure on a manual operated heat sealing press.
- After cooling, carefully remove the protective foil when still warm
- After removing the protective foil repeat the procedure
- 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 underplaten. When using smaller underplatens, decrease pressure to avoid damage to the transfers

Handling and storage

Keep away from oxidizing agents, from strongly alkaline en strongly acid materials. Store 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 hazardsdesignation 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.