



REFLEX

PRODUCT DESCRIPTION:

Thermal bonding, retroreflective film, composed of a resin, glass micro-beads and an adhesive for heat transfer, intended, for example, for the confection of individual high visibility cotton or polyester safety clothing.

FILM FEATURES:

- Total thickness (film + adhesive) (Indicative value)
175 µm
- Film colour: silver
- Retroreflective colour under artificial light: white
- Retroreflective properties:

Observer angle	Entrance angle	Measured reflection coefficient (cd/lux/m ²)	Required minimum reflection coefficient (cd/lux/m ²)
0,20° (12')	+5°	500	330

- Temperature variation cycles: 12 h at 50 °C (122 °F) / 20 h at -30 °C (-22 °F) / 2 h at 20 °C (68 °F).
- Washing and drying cycles: ISO 6330: 2012 method 2A: at 60 °C (140 °C) and gentle drying at 50 ±5 °C (122 °F) – 50 cycles.
- Abrasion: ISO 12947-2 method 2: 5000 rubs.

LINER:

- Liner of the retroreflective side: 100-µm polyester film.

APPLICATION GUIDE FOR FLEX:

- Good adhesion to cotton and polyester.

Carry out a test to check the resistance of the fabric to the press temperature and the compatibility of the flex film with the cloth. The application of the film to nylon or water-repellent fabrics is not recommended.



Cutting and weeding
Cut a mirror image.
Weed after cutting.



Prerequisites
It is preferable to apply the film to previously washed fabrics.

- Preheat press and textile prior to application.



Pressing temperature
150 °C (302 °F)



Pressing duration
12 secondes



Pressing strength
high pressure



After pressing, carefully remove the protector (liner) while the flex film is still: warm

Rest time before washing

After pressing, wait for at least 24 hours before washing the garment.



Washing temperature
with a maximum of 60 °C (140 °F)



Washing conditions

Use laundry products without bleaching agents. Choose a colour wash program without pre-washing of less than 50 minutes.



Ironing conditions

Iron the textile inside out or protect the flex film with a pressing cloth, at low temperature, without using steam.

- For more information on the application method of the plotter flex film, please refer to the Application Guide on the «Professionals» pages, on our website www.hexis-graphics.com.

STORAGE:



Storage period before use
1 year



Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)



Relative humidity during storage
with relative humidity between 30 % and 70 %



Storage method before use
in its unopened original packaging



CERTIFICATION:

OEKO-TEX certification



**STANDARD
100**

CQ 1126/1
IFTH

Standard of retroreflection classification
EN ISO 20471 : 2013+A1 : 2016

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. All of the published information is based on measurements regularly performed in the laboratory. The published information does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.