FICHE TECHNIQUE DAO RETROREFLECHISSANT

# REFLECTIVE PLOTTER FLEX FLEX600 SERIES

Reflective film, 120 µm, suitable for heat transfer onto textiles. Class 2 according to EN471 standard (high visibility professional clothing).
Flex 697C: destined for application on COTTON.
Flex 697N: destined for application on NYLON.

## SPECIFICATIONS OF THE FILM:

Average values

- Thickness of the film (µm): 120
- Colour in daylight: grey
- Reflected colour: white
- Reflectivity coefficient: (cd/lux/m$^2$)

| Observation angle | Entrance angle | Average reflectivity coefficient | Minimum reflectivity coefficient |
|---|---|---|---|
| 0,2° | -4° | 450 | 330 |
| 0.33° | +5° | 330 | 250 |

- Complies with the requirements of the standard (reflectivity coefficient) after the following constraints:
  - Temperature cycles: 12h at 50°C (122°F) / 20h at -30°C (-22°F) / 2h at 20°C (68°F)
  - Laundry cycles: 50 cycles at 60°C (140°F)
  - Abrasion: woollen abrasive / 5000 cycles / 9 kPa

## LINER:

- Polyester liner 100 µm

## RECOMMENDATIONS FOR USE:

- It is recommended to apply the film on a previously washed fabric.
- Good adhesion on cotton (Ref. Flex697C) and Nylon (Ref. Flex697N). For any other material, carry out a trial to test the resistance of the fabric to the high temperatures of the press and the the compatibility of the Flex with the fabric.
- The surface of the film is protected by a green-blue, thin soft protective film. This protective film must be removed before the Flex is used.
- In the plotter cut mirror images.
- Weed after cutting.
- Preheat the press and the textile before application.
- Position the film on the fabric (visible face of the graphic upside).
- Press at 160°C (320°F) during 20 secondes. Do not exceed 190°C (374°F); the removal of the polyester liner would be difficult.
- Once cooled down (temperature of the fabric 30°C [86°F]), carefully remove the polyester liner (thick, rigid, clear film).
- Finish the transfer in the follwing way: place a TEFLEX protection sheet, or a sheet of sulphurised or siliconed paper on the surface of the graphic and press down at 170°C (338°F) during 10 seconds.
- The durability and the long term performance of the Flex697 depend on the conditions of usage, laundry and drying.
- After heat transfer, wait at least for 24 hours before laundering.
- Launder at max. 40°C (104°F). Wash inside out. Do not use bleach.
- Iron T-shirts inside out at max. 110°C (230°F).
- For further information on application methods for the Flex697, refer to the FLEX DAO application guide on the professional pages of our website www.hexis-graphics.com.

## STORAGE:

- Shelf life (before application):

  1 year if stored unopened in its original packing at a temperature between 15°C and 25°C (59°F to 77°F) and at a relative humidiy between 30% and 70%.