



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:

	<u>Average values</u>
• Thickness of the film (µm):	120
• Colour in daylight:	grey
• Reflected colour:	white
• <u>Reflectivity coefficient</u> : (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 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 seconds. 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 following 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 humidity between 30% and 70%.

NOTE:

Because of the great variety of substrates and possible application methods the installer must examine the suitability of the media for each application. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force. All published data are based on measurements carried out regularly under laboratory conditions. They do, however, not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The seller assumes no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: www.hexis-graphics.com.