

Application Instructions

LASERFLEX – Flex Film for Laser Cutting and Weeding



To be cut & weed

LaserFlex is a high quality multi-layered polyurethane film on an aqueous base, having a good opacity and high elasticity. The carrier material is paper.

LaserFlex has been specially designed to be not only laser cut but also weeded. Thus even the most complicated motifs become child's play. That starts already when establishing the motif, as pixel graphics need not be vectorised anymore. Only place film in the laser – activate laser – remove the motif – iron – ready! Even the smallest quantities of transfers can be produced fast and cost effective by using only a computer and laser.

The necessary settings of the laser vary depending on the device and colour used. A good starting point for a 25-watt laser is 600 dpi, 65% speed and for LaserFlex black, red and navy 62% power, all other colors 55% power. It is advisable to run with "bottom to top", to use the "True Image" mode and to use the compressed air system and the suction at the highest level in order to avoid precipitation of off-lasered PU film.



Transfer motif

The cut and weeded motifs are ironed onto textiles for 17 seconds at 165 °C, the carrier can then be removed in warm condition. Flex upon Flex is possible; the pressing time for the first colour should, however, be shortened.



Remove liner, done!

LaserFlex is suitable for cotton, polyester and mixed fibres, however, less suitable for nylon and other coated textiles.

LaserFlex is wash resistant up to 60 °C.

Weeding of heat transfer materials by a laser is under the patent hold by SEF EP 2 000 250-B1. SEF recommends to use GCC LaserPro in order to achieve a perfect quality.

From the wide range of GCC laser engraving systems GCC has selected 3 models for this application depending on your requirements. Economic model: Venus II for A4 sheets, Print-shop model: C180 for A3 sheets and Production model: Spirit LS with a 25"x 18" (640 x 460mm) working area with an optional Roll to Roll Autofeeder unit that is the best choice for automation and weeding on rolls.

For more information take a look at www.gccworld.com

Store in a cool and dry place; protect against the influence of light when stored. We recommend not to exceed a storage period of 12 months. The technical specifications rest on extensive tests and technical research. Due to the variety of possible influences during refinement, and use, the specifications should be viewed as reference values. We recommend a suitability test on the original material. A legally binding warranty of specific characteristics cannot be derived from our specifications.

Transfer Conditions

Temp.: 165 °C

Time: 17 seconds

Pressure: medium/high

Flex on Flex possible

Suitable Textiles

Cotton, Polyester, Mixed Fibres. Less suitable for Nylon and other coated textiles.

Wash resistance

60 °C wash resistant

Colours

LaserFlex is available in 8 colours.



Additional colors upon request

Packaging

A4, 50 Sheets

A3, 50 Sheets

50 cm x 25 m

Additional packaging upon request