

Application Instructions

CoolFlex / CoolPrint – Pressure sensitive flex film for difficult textiles



Cut on the right side

On some substrates, no heat-sealable flex films can be applied due to their size or temperature sensitivity. Furthermore, waterproof surfaces often present adhesion problems when using heat-sealable films. In these cases, CoolFlex can offer the solution. CoolFlex is a self-adhesive flex film. It sticks almost on every surface, especially on surfaces with a hydrophobic coating. CoolFlex can be processed with commercially available plotters with a drag knife or tangential knife technology.

After creation and cutting of the design, the matrix must be removed. This weeding should take place within one or two hours after cutting. This minimises the influence on the cutting lines due to the cold flow of the glue. The storage of non-weeded transfers is not recommended. Moreover, when cutting, it should not be cut into the paper, which can sometimes make weeding difficult. Various weeding techniques can be applied depending on the design, design size and substrate.

Weeding from backing paper – After cutting the excess film, remove, as usual, from the backing paper. For transferring to the substrate, a transfer tape should be used. This method is well suited for continuous or large designs.



Weeding from backing paper

Transfer Requirements

Press on by hand or with a squeegee

Suitable Textiles

All kinds of textiles, also suitable for nylon and other coated textiles. Less suitable for very elastic textiles.

Wash resistance

No guarantee for wash resistance, depending on elasticity, however washable up to 40 °C

Colors

CoolFlex - 6 colors



Additional colors upon request

Packaging

CoolFlex
49,5 cm x 10 m

CoolPrint:
74 cm x 10m

Store in a cool and dry place; protect against the influence of light when stored. We recommend not to exceed a storage period of 18 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.

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Completely transferred

Weeding on the substrate – The cut design shall be removed from the backing paper without weeding using the transfer tape and pressed onto the substrate. The tape is removed and weeded in the end. The advantage of weeding on the substrate is that non-contiguous, and also smaller designs can be transferred without any problems. The instant adhesion to most substrates is applies at a central section, which facilitates the removal of the surrounding matrix. Instant adhesion may be very strong on very smooth surfaces under certain circumstances and very poor in very rough or highly water-repellent ones.



Weeding on the substrate

Depending on the surface, CoolFlex can be simply pressed on by hand or with a blade or roller. Thereafter, the transfer tape is carefully removed and the transfer is complete. The sticking of the foil depends on the substrate and increases rapidly during the first 24 h. The final adhesion is reached after 3 to 5 days.

As a self-adhesive flex film, CoolFlex belongs to the group of stickers. For that reason, CoolFlex can basically not be described as washable. However, since the flex film shows a very strong sticking, substrate-dependent washing up to 40°C is possible. A detachment appears especially in case of resilient substrates. The washing temperature plays a minor role. However, if detachments appear after washing, it is possible to press on dried, intact motifs without any problems and they reach after a few days again a good sticking on the substrate.

CoolFlex is available in 6 colours (white, lemon, red, royal blue, green and black). CoolFlex is available in rolls with 49.5 cm width and 10 m length.

CoolPrint can be imprinted with solvent or eco-solvent inks. The fastness of the prints is largely dependent on the ink used. CoolPrint is available in rolls with 74 cm width and 10 m length.

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