KÖNIGHAUS AUTOFOLIE

MANUAL

Manual for Könighaus car wrap

Please follow these steps carefully and precisely. Don't hesitate to contact us for further information info@koenighaus-autofolie.com

STEP 1 - Cleaning the surfaces, beads and edges

Thoroughly clean surfaces to be covered, thoroughly check surfaces and edges for residues of conservation wax, polish or other materials. If necessary, clean again with isopropanol (available at any pharmacy).

First, remove all car parts that could interfere with proper adhesion (e.g. mirrors, aerial, trim strips). Then check and clean the concealed surfaces as described above. Thoroughly dry the surfaces to be covered.

We recommend using a release agent for dry bonding. Otherwise, the film may tear and/or adhesive residue may remain on the paint. Our release agent of choice: Fodig - Folien Digital - Adehsive Solution. When using it, please follow the manufacturer's instructions.

Alternatively, the film can be applied wet (with water and a drop of washing-up liquid). **Don't panic:** small bubbles may form - these will disappear after about four weeks.

STEP 2 - Preparation

You can find more information about the most important tools on our blog.

The following materials are needed to apply the film:



Foil squeegee



Scalpel



Hot air dryer (If you frequently apply foils, it is worth buying a professional hot air dryer. These are significantly more powerful than a normal everyday hairdryer)



Self-adhesive tape



Adhesion promoter - For calendered film, be sure to use adhesion promoter to achieve maximum adhesion in curves, beads or extreme locations.

What else needs to be considered:

- The bonding temperature/room temperature should be between 21-23 °C. Store the film at this temperature for 24 hours before application to ensure that it remains flexible and the adhesive cannot separate from the film.
- Dust-free, bright room
- Smooth, clean and intact surfaces
- Application on already damaged or repainted surfaces can lead to damage when removing the film. You can find more information on this topic on our blog.

STEP 3 - Mounting and gluing the film

Wet bonding - this technique is easier and the majority of films are well suited for this.

Procedure:

Measure the adhesive surfaces and generously pre-cut the film formats; allow the film to protrude by about five centimetres. Use this overhang to fold the film into the inner area to prevent shrinkage of the film.

Avoid cutting the film flush with the adhesive edges. This minimises the mechanical stress on the open cut edge caused by influences such as airstream or washing brushes. Instead, lay the film under the rubber seals to avoid open edges.

Position the film to be bonded and fix it with adhesive tape. Pay attention to the overhang of the film. Remove the masking paper from the film and stretch it evenly over the surface to be covered. (You can find a large selection of tutorials by professional film layers on YouTube).

Squeegee the film evenly with generous wiping movements (exert about four kilograms of force when squeegeeing). If the surface is curved (such as the mudguards), apply the film over a large area with a hot air dryer. Do not get too close to the film with the hair dryer.

Important: Cut the edges only **after** the film has cooled down.

STEP 4 - Final

Reheat all edges, borders and deep-drawn parts of the film with the hot air gun after the application is complete. This activates the adhesive of the film more quickly. In case of very strong curvatures, use an adhesive (primer) and pre-treat with isopropanol to ensure excellent adhesion in the difficult areas. In the next few days, air bubbles may be visible, especially with wet filming. This effect can occur when the sun shines on the film with full force. The air bubbles usually disappear within the next four weeks. Poke large air bubbles with a small needle and squeeze out the air with a squeegee. After about three days, the film adhesive is completely cured.

Important: To increase the life span - especially of coloured films - and to ensure it is permanent, the film must be sealed.

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Subject to change without notice.

Könighaus Autofolie accepts no liability.

Könighaus Autofolie

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