

# PWF PERFORMANCE

## Application information

### What is PWF Performance?

PWF PERFORMANCE is colored PU film suitable for partial or full wrapping on vehicles. The application and removal of PWF PERFORMANCE films should only be carried out by qualified specialists. If PWF PERFORMANCE films are applied or removed incorrectly or improperly, the paint of the vehicle can be damaged and/or the durability of the PWF PERFORMANCE films can be significantly reduced.

The matte PWF PERFORMANCE film is suitable for car wrapping experts who want to enter the PPF segment due to its air channel structure. The gloss films are designed with full surface adhesive for the best possible end results and require knowledge of how to handle assembly fluids. You are welcome to request training courses from us.

### Durability

The expected durability specified in the technical data sheets describes maximum values that can be achieved under Central European environmental conditions. No guarantee, warranty, or other claims can be derived from the information on the expected maximum durability. The basis for this is empirical values from artificial and natural weathering results under standard conditions. The actual durability that can be achieved depends on a variety of individual factors, such as care, environmental conditions, and proper preparation of the surface. TPU films are naturally very weather- and UV-resistant and there are no significant restrictions on the expected durability with horizontal application.

A decrease in the expected durability of PWF PERFORMANCE films can occur:

- When applying to unsuitable surfaces
- When the surface is not cleaned sufficiently
- When the film is permanently exposed to high temperatures and/or high humidity
- If film is not cleaned regularly (dirt such as insects or bird droppings should be removed immediately).
- If exposed to highly polluted environments for long periods of time (e.g., air pollution/industrial particles).
- Furthermore, the vehicle must be free of sealants or other substances.

### Preparation of the surface

#### Condition of paint/surface

To achieve the best possible result, ensure that the paint on the vehicle is OEM-specified. If in doubt, please contact the vehicle manufacturer or a professional painter before applying the film.

The paint of the vehicle to be wrapped must not be damaged; this means that there must be no damage caused by rust, fire, scratches, stone chippings, age-related brittleness, or similar. PWF PERFORMANCE films are only suitable for painted or paint-like surfaces.

### Cleaning the surface

The vehicle must be cleaned by hand or in a car wash before application. Please note that no program involving the use of wax should be selected for cleaning. At the time of application, the vehicle must be completely clean and dry – any cleaning agents must be completely evaporated. Freshly painted vehicles can only be wrapped after a 6-week degassing period, provided that the paint is not damaged in any other way.



Check the vehicle surfaces and edges for any contamination and residues. Clean all surfaces to be wrapped thoroughly with BRUXSAFOL Surface Pre-Cleaner (T21012). Ensure that any remaining cleaning agent residues are thoroughly and completely removed.

We recommend deep cleaning the paint using cleaning clay (clay bar) or, depending on the condition of the paint, professional detailing. This is the only way to achieve the best possible finish.

Note: After cleaning the surface, it is essential to use a lacquer sealant (PWF Protector – T22613) or Ceramic Boost (T21617). This can help to prevent glue residues during neutralization.

### Application of PWF PERFORMANCE film

#### Matte PWF PERFORMANCE film – like PVC car wrapping film

The application of matte PWF PERFORMANCE films with air channels is done dry. Here you can work in a similar way to PVC film. However, the adhesive strength at the beginning of the application process differs significantly from that of vinyl film. The film achieves a stronger adhesive strength after a few hours, but reaches its full final adhesion after 3 days at the latest.

#### Gloss PWF PERFORMANCE film – like transparent paint protection film

Gloss PWF PERFORMANCE films with full surface adhesive must be applied using a "wet" process with mounting fluid. Once the film has been applied, the glue must be free of any mounting fluid to ensure the desired adhesion, especially at the edges.

**Note:** The protective liner on top should be removed before plotting if possible. When clamping the film, please switch off the plotter, but do not unplug it. We recommend a separate grounding of the plotter and, if necessary, the table. After cutting the film, it must be stored without the protective liner or rewound tightly around a core.

# PWF PERFORMANCE

## Application information

### Application instructions

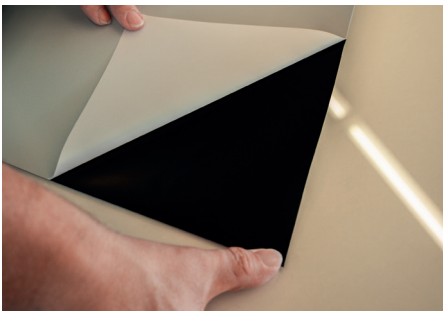
PWF Performance films should only be applied in clean, dust-free and well-lit rooms. The vehicle surface must have a minimum temperature of +18°C. The best results are achieved at temperatures between +21°C and +23°C.

### Tips and tricks

When applying matte PWF PERFORMANCE films, use a firm squeegee with a medium to firm buffer. This will ensure that you apply sufficient pressure.

Due to the full surface adhesive, gloss PWF Performance films are applied wet with a suitable installation fluid. You can work with stencils or directly from the roll. When wrapping corners and edges, we recommend using the Jiffy Steamer (T36100). It works with very hot steam which ensures that the film can be wrapped around corners and edges without any problems. Please note that, similar to transparent films, the glue requires a drying time to ensure sufficient adhesion.

The surface and the adhesive side of the film are generously coated with mounting fluid. The film surface is then also coated and smoothed with a silicone squeegee.



When cutting the film, it is essential to ensure that the cutting angle is less than 45 degrees, as it will move if the angle is steeper.

Once the work is complete, all film edges are heated to 90°C (temperature on the film). For wet bonding, the glue must be dry before tempering.



Air and liquid bubbles should not be punctured. They will disappear within a few days. Bubbles that are too large can be punctured with a very fine syringe needle.

Overlaps, inserts, and lettering are generally possible. If you are unsure, we recommend that you check with our trainers.

### Cleaning and care

#### Information on cleaning and care

PWF generally recommends regular cleaning and care by hand using our PWF Care series. The mild yet highly effective cleaning and care products included in this series are precisely tailored to the different sensitive film surfaces.

#### After wrapping

After wrapping, the vehicle must be left standing for at least 24 hours at temperatures between +21°C and +23°C. Experience has shown that PWF PERFORMANCE achieves its optimum final adhesion three days after application. During this period, the vehicle must not be taken through a car wash or cleaned with a high-pressure cleaner. When using high-pressure cleaners, a distance of at least 70 cm must be maintained and the edges of the film must not be sprayed. To avoid damaging the film surface, vehicles wrapped with PWF PERFORMANCE film may only be driven through car washes with textile washing without a hot wax program (no brush washing).

#### Warranty information

Failure to comply with the application instructions and the care and usage conditions will void the warranty and liability. The qualified specialist personnel carrying out the work are responsible for the quality of the application. The owner of the wrapped vehicle is responsible for complying with the care and usage conditions. We do not cover the costs of removing a wrap.

#### Warranty and liability are excluded in particular in the following cases:

- New paintwork that was not completely dry or fully cured at the time of applying
- Adhesion to unsuitable surfaces and improperly applied paintwork
- Improperly prepared surfaces
- Improper or unprofessional application by unqualified installers
- Paint detachment and paint changes when removing the film
- Film detachment from beads

