



## PLATINUM WRAPPING FILM

### Product description

PWF Performance films are innovative, multi-layered TPU (thermoplastic polyurethane) films with a colored coating. TPU is inherently characterized by exceptional tear resistance, high aging resistance, and impact strength. With its impressive high gloss and intense color depth, this film offers unparalleled aesthetics and improved paint protection compared to PVC. The matte versions are particularly distinguished by their durable, velvety surface.

### Technical data

Film structure	Multi-layered TPU film with color layer, self-healing, slightly hydrophobic
Adhesive type	25 $\mu$ Solvent polyacrylate, pressure-activated matte finish with air channel structure
Thickness (excluding cover liner and protective film)	180 $\mu$ +/-15%
Cover liner	85-90 $\mu$
Capsheet thickness (only for gloss colors)	45-55 $\mu$
Elongation at break	190-280%
Initial adhesion	6-8 N/25mm
Adhesive strength (after 24 hours, stainless steel)	15-17,9 N/25mm
Self-healing	Healing through heat
Stain resistance	no visible water stains after rainfall
Shelf life	2 years (lying down, 20 °C room temperature and 50% relative humidity)
Bonding temperature	21-23° C
Expected durability* (Adhesion to painted vehicle surfaces)	Up to 5 years

\* Expected durability with professional installation and proper care and usage applies to vertical outdoor weathering and normal Central European climate. The actual and expected durability depends primarily on the environmental conditions, but also on the pretreatment of the substrate and the regular care.

Additional information to be noted:

The above information is based solely on our current knowledge and experience. It does not constitute an agreed quality, nor does it represent a guarantee of certain characteristics or durability with regard to our color films.

#### IMPORTANT NOTE

Due to the wide range of possible applications and the ongoing development of new applications, it is the buyer's responsibility to thoroughly check the suitability and performance of the product for the intended use. The buyer bears all risks arising from the use of the product.  
All information is subject to change.



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# TECHNICAL NOTES

### General requirements

TPU films are paint-protecting color films for partial or full vehicle wrapping. The application and removal of TPU films should only be carried out by qualified specialists. Improper or incorrect application or removal of TPU films can damage the paintwork of the vehicle and/or significantly reduce the durability of the films.

Please note our processing and care instructions.

### Durability

The expected service life specified in the technical data sheets describes the maximum values that can be achieved under normal Central European environmental conditions. No guarantee, warranty or other claims can be applied 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 preparation of the surface to be adhered to.

During the expected durability period, slight changes due to aging are possible. TPU films are naturally very weather and UV resistant, and there are no significant restrictions on the expected durability of horizontal bonding.

### Notes

No guarantee, warranty, or other claims can be applied from the information on expected durability. The basis for this is empirical data from artificial and natural weathering results under standard conditions and cannot be applied across the board to the expected maximum durability for each vehicle, as the influences (including additional mechanical and chemical stress) are more complex in this case.

For the overall assessment of the expected durability of a full wrap, the information on the expected horizontal durability should generally be used as a basis.

### Decrease in expected durability

A decrease in the durability of BRUXSAFOL color films can be expected in the following cases, among others:

- When used on unsuitable surfaces
- When the surface is not cleaned sufficiently
- If films are permanently exposed to high temperatures and/or high humidity
- If films are not cleaned regularly; e.g., if insect remains or bird droppings are not removed promptly
- During prolonged exposure to highly polluted environmental zones (e.g., air pollution/industrial particles)
- under high UV exposure
- When using non-approved aggressive cleaners and sealants