

Position Statement

Replacement of Porsche windshields and corresponding adhesives

Quality and safety requirements

A genuine Porsche windshield is a well-engineered quality product. It not only ensures a clear view but was developed for the highest demands on driving pleasure and safety.

The original glass used on Porsche vehicles as well as the adhesives system and expertise in the workshop guarantee optimum fit, function, safety and structural integrity. The quality, performance and safety of aftermarket replacement windshield and side glass may not meet Porsche exacting specifications. Only by using Porsche approved replacement glass you can be assured of the fit, function, safety and structural integrity of the repair.

In addition, only OEM adhesives approved by Porsche should be used for glass replacement. These are precisely matched to the corresponding bonding substrates and made for the conditions in the workshop environment. Adhesive systems that are not approved can lead to a non-functioning bond, which in turn represents a potential risk for the customer.

Impact on key safety features

A neglect of the Porsche requirements on windshield replacement can result in key safety features not functioning properly and reduced customer satisfaction in the performance of their vehicle.

- ❗ **Camera-based driver assistance systems** require complex calibration. In case of deviations, function impairments or threat to the driver can occur.

- ❗ **Crash/Stiffness:** The windshield significantly contributes to the stiffness of the vehicle and also plays an essential role in case of a crash. Certain legal crash requirements can only be met with a correctly bonded windshield meeting the strength requirements.

- ❗ **HUD:** The visibility of displays in the HUD depends largely on the coating of the screen.

- ❗ **Acoustics:** Special acoustic glazing offers increased comfort, especially for our BEV buyers. Special LSG glasses ensure the corresponding acoustic damping.

- ❗ **Cold and heat protection:** Coatings and films within the LSG glazing provide protection from both heat and cold. Replacement with non-OEM glazing that does not meet specifications can result in loss of comfort.

- ❗ **Antenna functions/antenna transparency:** The windows serve to connect the vehicle with the outside world by means of integrated antennas. Also, coatings must provide a certain degree of antenna transparency in order for private smartphones to still have sufficient reception.

- ❗ **Tint level/color matching:** The tint level, e.g., for privacy glazing, must match the rest of the panes. A different appearance would quickly be noticed by the customer. In worst case, over-tinted windows could also exceed legal limits.

- ❗ **Replacement of panes:** Unlike, for example, bolted joints, there is no possibility of quality control for bonded joints after repair. Therefore, it is crucial for the work to be carried out in accordance with the repair process prescribed by Porsche and for the personnel carrying out the work to be appropriately trained.

- ❗ **Use of OEM adhesive:** Adhesive systems are precisely matched to the corresponding adhesion substrates and the conditions of the workshop environment. Adhesive systems not approved by Porsche might lead to a non-functioning bond, which in turn poses a potential risk to the customer. In addition to the previously described rigidity and contribution to crash safety, the windshield also supports the front passenger airbag. Improperly executed bonding thus poses a potential risk of injury, especially to the front passenger.