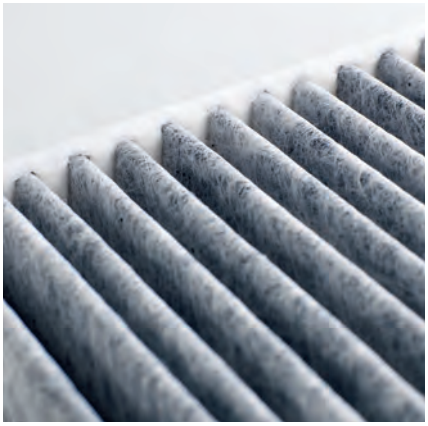
If the quality is sure, the air stays pure

Without reliable interior filters, vehicle passengers would be exposed to high levels of pollutants while driving.



The bonding is also carried out in such a way that it does not affect the air permeability or adsorption capacity of the filter media.

Interior filters for cars consist of multi-layer materials, such as activated carbon filter media. These have to be joined in such a way that the resulting filters keep the air inside the vehicle optimally clean to protect passengers from pollutants. Having the right adhesives is a crucial contributing factor in this regard.

Pollen, spores, soot, bacteria, fine dust, benzene, ozone… there are plenty of pollutants that can contaminate the air breathed in by passengers. The sheer volume of harmful particles alone makes it clear that keeping the air in vehicles clean is essential for human health. This is exactly why efficient passenger compartment filters are in demand as a contribution towards a cleaner environment.

The process of manufacturing filters involves joining multi-layer filter materials together in successive processes, including activated carbon media for particularly good filtration results. The layered structure ensures that both coarse and fine particles adhere to the surfaces of the individual layers. As a general rule, the larger the surface area, the more contaminating particles can be bound and the cleaner the air becomes. This is why it is so important that the application amounts of the adhesives used in the lamination process of activated carbon filters are as low as possible. If less adhesive is applied in the bonding process, more surface area is reserved for bonding particles. The larger surface also increases the air permeability for the adsorption of gases and odours.

This is exactly what the Jowat-Toptherm® and Jowatherm-Reaktant® adhesives do when it comes to the lamination of activated carbon filters. Furthermore, the open time of the Jowat products is based on the process times for coating the non-woven filter membrane. Not only does this increase the efficiency and safety of the production process, but it also improves product quality and filter performance. The adhesive bond also easily withstands the stresses of further processing steps such as winding and unwinding, trimming and pleating. Further advantages of the Jowat adhesives include very low fogging and emission values, not to mention a high level of heat resistance.