



micronAir[®] blue

THE NEW IAM GENERATION OF FREUDENBERG CABIN AIR FILTERS

EFFECTIVE PROTECTION AGAINST PARTICULATE MATTER,
VIRAL AEROSOLS, ALLERGENS AND GASEOUS POLLUTANTS

FREUDENBERG
FILTRATION TECHNOLOGIES

 **FREUDENBERG**
INNOVATING TOGETHER



MICRONAIR BLUE

THE EVOLUTION OF THE FREUDENBERG CABIN AIR FILTER

With the invention of the first cabin air filter back in 1989, Freudenberg Filtration Technologies set a new standard for health protection and safety inside vehicles. The proven micronAir® particle filter includes reliable fine dust, pollen, road dust, soot and bacteria protection. This was later followed by another innovation: the micronAir® combi filter. Although the filter media of both micronAir® cabin air filters are essentially identical, the micronAir® combi filter has an additional layer of activated carbon to adsorb odors and gases (e.g. benzene and ozone), which in turn is protected by a covering layer.



This cabin air filter evolution has now led to the latest addition for the IAM: micronAir® blue. This newly designed cabin air filter is Freudenberg's answer to the rising risk factors posed by particulate matter and allergens in road traffic. Particulate matter constitutes an especially significant health risk. Every year, more than 3.3 million peo-

ple worldwide die as a consequence of high levels of particulate air pollution. Allergies also have an adverse effect on health and constitute a high traffic safety risk. More and more people are suffering from allergies or asthma worldwide. According to estimates, around 30 percent of the world's population suffers from allergies. During

car journeys, drivers and passengers can be exposed to different allergens and pollutants in a very confined space. Even a brief sneezing fit can be dangerous: at 80 km/h, a single sneeze leaves the driver driving blind for 25 meters.



FEWER HEALTH RISKS, GREATER DRIVING SAFETY

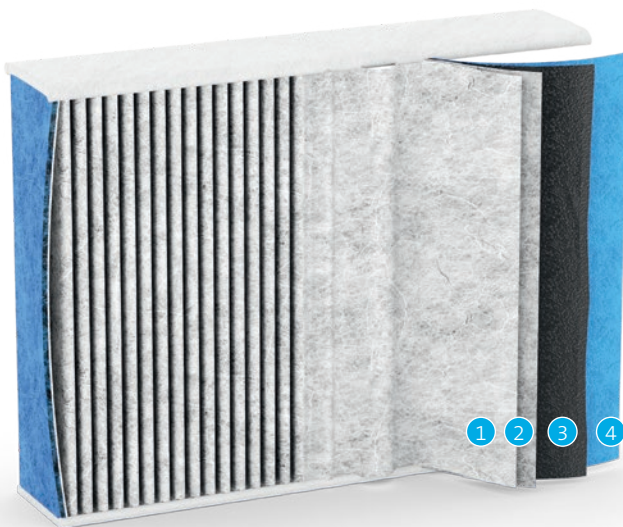
Freudenberg Filtration Technologies takes social responsibility very seriously and strives for filtration solutions that support sustainability and protect humans and the environment around the world. micronAir® blue provides the best possible driver and passenger protection inside vehicles. Conventional automotive particle or combination filters only prevent the intrusion of soot, dust and foul odors via the ventilation system. In contrast, the micronAir® premium filters reliably and sustainably prevent particulates, viral aerosols, allergens and fungal microspores from entering the vehicle cabin.

FOUR FILTRATION LAYERS, HIGHEST AIR QUALITY

micronAir® blue is based on a novel composite material design that combines different filter characteristics. Varying density synthetic fibers are used to capture coarse to ultrafine particulate matter. The reliable adsorption of odors and gases is handled by a uniquely designed activated carbon layer. The filter is also equipped with a biofunctional layer that extremely efficiently and permanently eliminates allergens. Nano-silver free additives with very long-term stability are used, which have been scientifically proven safe for humans.

micronAir® blue advantages at a glance:

- Eliminates virtually all ≥ 2 micron allergens and protects against the smallest microorganisms, such as fungal spores
- Separates almost 100% of particulate matter
- Longer and more reliable neutralization of allergens thanks to nano-silver free functional layer impregnated with fruit extracts
- Effectively and reliably adsorbs harmful gases and unpleasant odors
- High filtration efficiency and dust holding capacity over longest possible period
- Traps approximately 90% of viral aerosols. In addition, the innovative bio-functional layer, impregnated with fruit extract, inactivates almost 100% of captured viral load

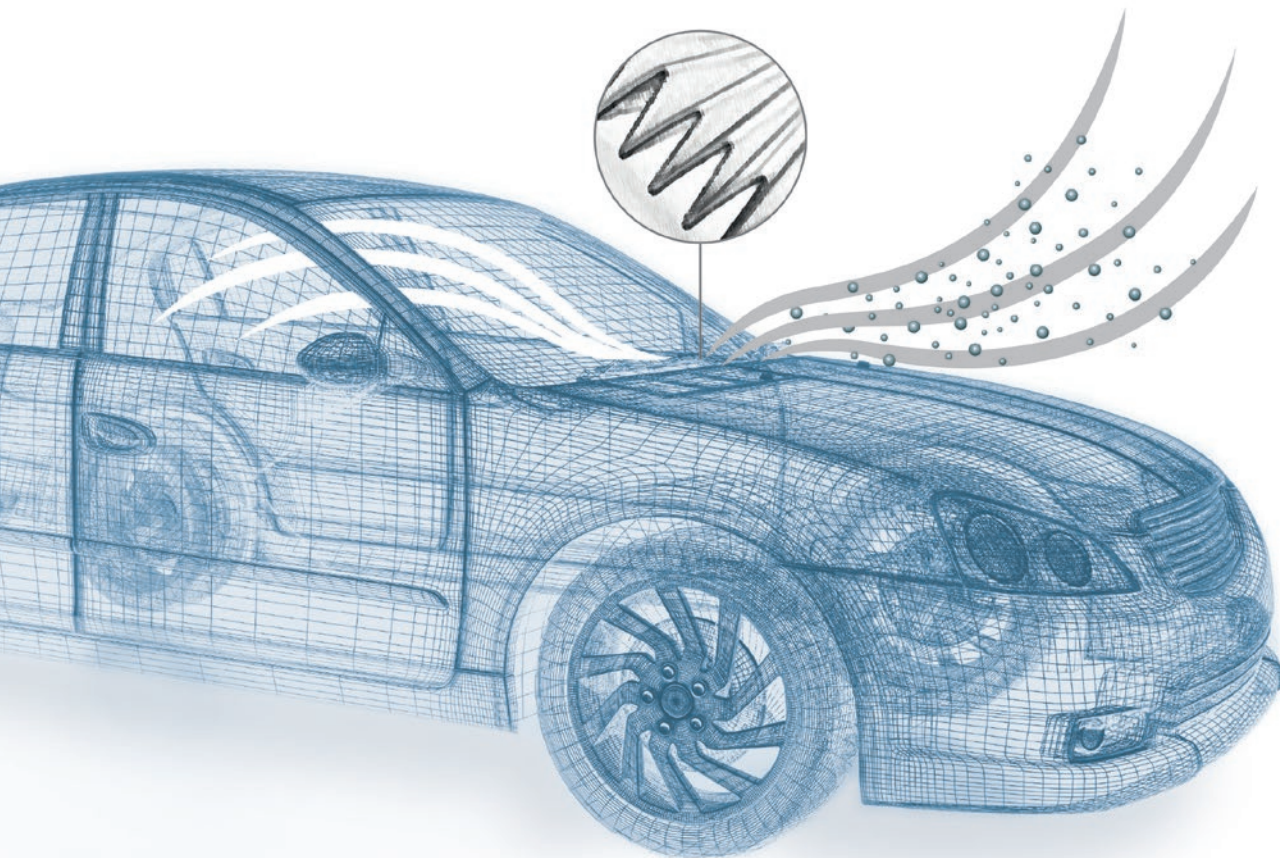


- 1 2 Top performance particle filter**
Patented multilayer design, stops PM_{2,5} fine dust and microorganisms, such as fungal spores
- 3 Top performance activated carbon**
Protects against harmful gases and unpleasant emissions of the vehicle interior
- 4 Functional layer**
With superior long-term effect against air-floating allergens on unique fruit extract basis

CHECK OUT OUR
3D MODEL



Do you want to see the micronAir® blue cabin air filter and its product features in 3D? Then download the free augmented reality app bimstore Eye from the Apple store and hold the camera towards the cover picture.



INNOVATION PARTNER OF THE AUTOMOTIVE INDUSTRY

Freudenberg Filtration Technologies is the innovation partner in the development of automotive interior filters for the automotive industry. As the inventor of the cabin air filter, many years of expertise have provided the ideal basis for the production of top-quality filtration media. Freudenberg Filtration Technologies is the only manufacturer of automotive interior filters to have a direct in-

fluence on the entire value chain, from granulate to the finished high-performance filter. These quality demands result in top quality and worldwide proven automotive cabin air filters. Their particularly thick and evenly arranged microfibers ensure excellent separation efficiency and a long service life. Freudenberg uses only the highest quality synthetic microfibers for this purpose.

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www.freudenberg-filter.com

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