

SEALING

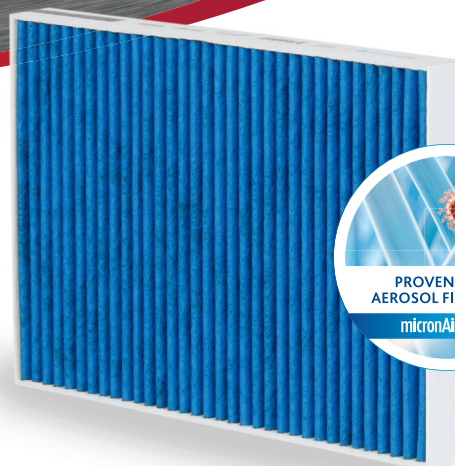
VIBRATION  
CONTROL

CABIN  
AIR FILTER

# OUR DEEP EXPERTISE. YOUR HEALTH PROTECTION.



PROTECTION AGAINST PARTICULATE  
MATTER, GASES, VIRAL AEROSOLS  
AND ALLERGENS



micronAir® blue

a brand of  
**FREUDENBERG**

**CORTECO**®

# YOUR EXPERT IN CABIN AIR FILTRATION

micronAir®

Safeguarding the purity of air has never been more important than today. Freudenberg Filtration Technologies stands for filtration that provides people with optimal, reliable protection. With the development of the micronAir® blue cabin air filter, the global filtration leader has set a new standard for health protection and safety inside vehicles.

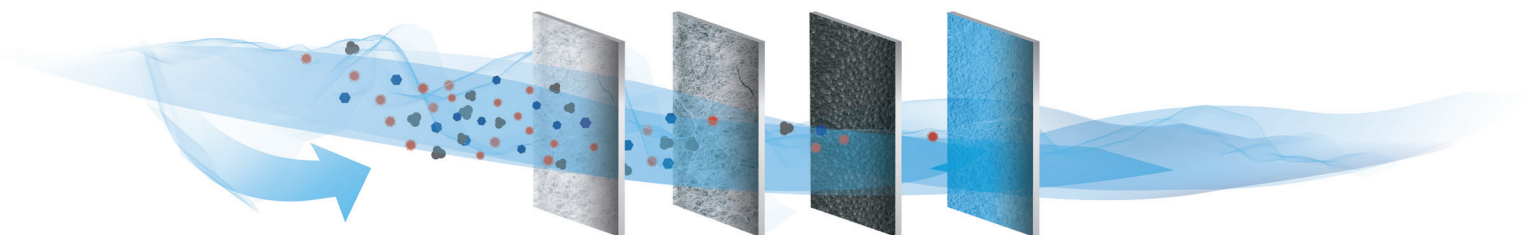
More than every second new cars is fitted with a Freudenberg original cabin air filter.

As a subsidiary of the Freudenberg Group, Corteco offers the largest range of cabin air filters in Europe with around 900 different filters.

## YOUR DEFENSE AGAINST VIRAL AND MICROBIAL AEROSOLS

micronAir blue cabin air filters provide active protection by significantly reducing the concentration of viral and microbial aerosols. This is achieved by a unique progressive multi-layer design that effectively filters, captures and suppresses noxious environmental gases as well as inorganic and biological particles and aerosols.

The fine particle filtration layers in the micronAir blue filters provide decisive protection against virus transmission. They demonstrably separate not only droplets ( $>5\mu\text{m}$ ), but also critical viral aerosols (droplet nuclei significantly below  $5\mu\text{m}$ ).



## ADDITIONAL ANTI-VIRAL VALUE

The first two layers of the micronAir blue filter can trap approximately 90 percent of viral aerosols. This has been conclusively proven by a comprehensive series of tests at an independent external institute, specialized in microbiological analysis. In addition, the fourth bio-functional layer inactivates collected viral contaminants, therefore effecti-

vely suppresses the release of active viruses back into the cabin air. The high particulate and viral aerosol filtration performance is sufficient to significantly reduce the concentration of airborne viral aerosols. In this way, micronAir blue cabin air filters make a substantial contribution to minimizing the risk of virus transmission inside vehicles.

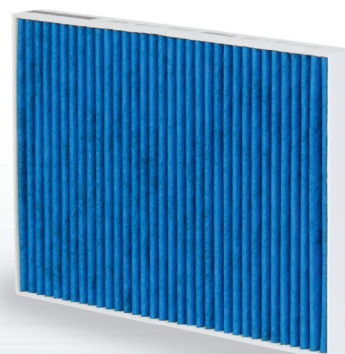




## CUSTOMER BENEFITS

The micronAir blue cabin air filter contributes to a holistic hygiene concept:

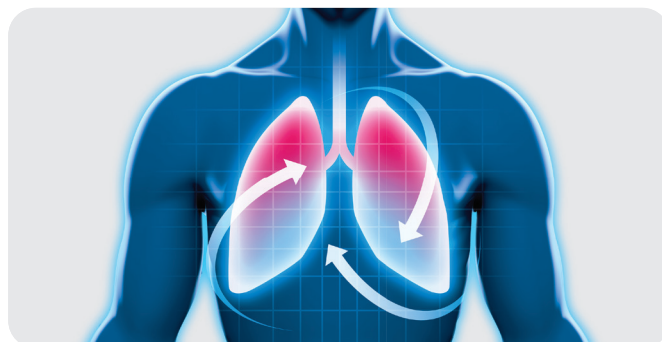
- ▶ Reduces the inorganic fine dust concentration inside cars
- ▶ Captures noxious environmental gases
- ▶ Reduces microbial aerosol concentration inside cars
- ▶ Captures viral aerosols and prevent the viral re-aerosolization



## MICRONAIR BLUE CABIN AIR FILTER SUPPORT YOUR:

### HEALTH

- ▶ Effectively reduces viral aerosol concentration inside cars
- ▶ Frees the air from pollen deposition and protects the entire air conditioning system
- ▶ Provides effective protection against harmful particles, such as fine dust that settle in the lungs and blood
- ▶ Is specially designed to foster the needs of allergy sufferers and asthmatics
- ▶ Adsorbs harmful gases, such as NO<sub>2</sub> and protects against increased ozone concentrations that may cause headaches and nausea



FRUIT EXTRACTS



NOT TESTED  
ON ANIMALS



100% VEGAN

### SAFETY

- ▶ Prevents poor visibility caused by fogged-up windows
- ▶ Minimizes dust build-up in cars to avoid watering eyes, running nose, difficulty breathing, sneezing fits
- ▶ Improves driver concentration and increases road safety

### COMFORT

- ▶ Extends the service life of the air conditioning and ventilation system through its high filtration efficiency and dust holding capacity over the entire filter lifespan
- ▶ Components and the final product have not been tested on animals
- ▶ This filter and its adhesives do not contain any animal products, the product is therefore 100% vegan



## FOUR-LAYER FILTRATION FOR MAXIMUM PROTECTION



1+2

### Top performance particle filter

- ▶ Patented multi-layer design, stops PM2.5 fine dust, soot, exhaust emissions, pollen, bacteria and respirable particles
- ▶ The first two layers can trap approximately 90 percent of viral aerosols

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### Top performance activated carbon

- ▶ Provides additional protection against exhaust fumes and unpleasant odors
- ▶ Reduces the concentration of environmental gases like ozone, benzene, NO<sub>2</sub> and other hazardous gases

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### Bio-functional layer

- ▶ Effective neutralization of allergens thanks to fruit extracts
- ▶ Reliably inactivates collected viral contaminants, therefore effectively suppresses the release of active viruses back into the cabin air

## CABIN AIR FILTER EVOLUTION

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: the micronAir blue cabin air filter.

