



European Filter Solutions

Filter solutions for Industry



FiberShield™

FiberShield™ is a nylon, non-woven nanofiber, infused with specified concentrations of Ionic + silver particle technology resulting in an antimicrobial filter fabric.

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What is FiberShield™?

FiberShield™ is a Nylon, non-woven nanofiber, infused with specified concentrations of Ionic + silver particle technology resulting in the antimicrobial filter fabric.

Single or multiple layers of FiberShield™ can be added into existing HEPA or any particulate removal filters at any stage of the filtration process to create an effective layer against bacteria and viruses, including COVID-19, thus reducing the number of microbes in the airstream. It can be pleated or incorporated into any current filter manufacturing process.

This new technology adds an important layer of protection that is currently not offered in the market as FiberShield™ will inactivate 99% of microbes that come into contact with it.

How does it work?

Silver ions are infused into the fibers of the FiberShield™ filter fabric. Silver has long been known for its antimicrobial properties and is proven to be more effective than copper and zinc. Laboratory test results confirm silver to be the strongest natural antimicrobial with limited adverse effects.

FiberShield™ is the only product on the market to offer such flexibility to filter manufacturers and also the only product to utilise silver impregnated microparticle technology, which is a superior antimicrobial delivery system.



Key Features

- One of the only technologies specifically tested against SARS-CoV-2, the virus that causes COVID19
- Longer lifespan
- Stronger against wear and crush
- Lower cost, and higher value
- Flexible integration into existing products
- Spunbound
- Air permeability of 1 osy- 510cfm/sqft at a back pressure of 0.5"
- Air permeability of 0.5 osy- 1180 cfm/sqft at a back pressure of 0.5"



How FiberShield™ with Ionic+ Technology fared in third party testing

Virus or Organism Tested	Test Results (% Killed)
SARS-CoV-2	99.89%
H1N1	99.06%
HCOV 229E	98.92%
Staphylococcus aureus	99.99%
Klebsiella Pneumoniae	99.90%
Escherichia coli	99.90%
Candida Albicans	99.90%

Any microbes that come in contact with FiberShield™ will be inactivated at the above rates with over 99% reduction of listed powerful microbes.