



The new **PureAir FiberShield™** is a revolutionary product that is designed to provide an added layer of protection against pathogens in new filtration systems and easily be retrofitted into existing HVAC installations. Our partner in developing this product, Noble Biomaterials, is a world-renowned expert in the antimicrobial fiber market, and PureAir is proud to be working with them on this innovative new product. For many years, Noble has used this proven technology in other industries and products, such as athletic apparel, wound care materials, and healthcare personal protective equipment.

Third party testing confirms **FiberShield™** kills over 99% of microbes with which it comes in contact, including SARS-CoV-2.

Contact us today to see how our one of a kind antimicrobial filter fabric can be incorporated into current filters to allow clients to breathe easier.



How Does FiberShield™ with Ionic+™ Technology Stand-up to Third Party Testing?

Virus or Organism Tested	Test Results (% Reduced)
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%

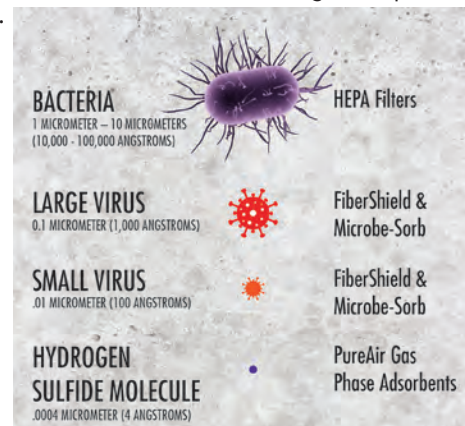
*Third-Party tested against common viruses.

How Does FiberShield™ with Ionic+™ Technology Compare to Competition?

Comparable products on the market include mainly fabrics that are made of fibers coated in copper or zinc, which are also metals known to have some antimicrobial properties. Less advanced products on the market claim copper and zinc to be the strongest natural antimicrobial; however, this is not the case. Laboratory test results confirm silver to be the strongest natural antimicrobial with limited adverse effects. Here are some other ways **FiberShield™** out-performs the competition:

- 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

For over 16 years PureAir has specialized in removing particles as small as a molecule. This chart illustrates Understanding the requirements of nano level air filtration.



FiberShield Specs

Standard Widths:	61 cm (24") Width Rolls		
Relative Roll Lengths:	Small	Medium	Large
Length	457 m (500 yd or 1500 ft)	1829 m (2000 yd or 6000 ft)	3658 m (4000 yd or 12000 ft)
Surface Area	279 m ² (334 yd ²)	1115 m ² (1333 yd ²)	2230 m ² (2667 yd ²)
Diameter of Rolls	Approx 28 cm (11")	Approx 51 cm (20")	Approx 71 cm (28")
Bulk Order Shipping Options	One 112 cm x 112 cm (44 x 44") Pallet can hold 9 small rolls	One 112 cm x 112 cm (44 x 44") Pallet can hold 4 small rolls	One 76 cm x 76 cm (30 x 30") Pallet can hold 1 large roll
Weight (34g/m ²)	9 kg (22 lb)	38 kg (84 lb)	76 kg (168 lb)
Resistance	Resistance of the material is very low. For example, the added estimated pressure drop for a Merv 8, 24 x 24 x 2" filter with at 500 ft/min (2.5 m/sec) is 0.11 iwg (27 Pa).		
Other Notes:	*While custom widths are available, pricing is based on use of full 305 cm (120") master roll		

Standard Widths:	76 cm (30") Width Rolls		
Relative Roll Lengths:	Small	Medium	Large
Length	457 m (500 yd or 1500 ft)	1829 m (2000 yd or 6000 ft)	3658 m (4000 yd or 12000 ft)
Surface Area	347 m ² (417 yd ²)	1394 m ² (1667 yd ²)	2787 m ² (3333 yd ²)
Diameter of Rolls	Approx 28 cm (11")	Approx 51 cm (20")	Approx 71 cm (28")
Bulk Order Shipping Options	One 112 cm x 112 cm (44 x 44") Pallet can hold 9 small rolls	One 112 cm x 112 cm (44 x 44") Pallet can hold 4 small rolls	One 76 cm x 76cm (30 x 30") Pallet can hold 1 large roll
Weight (34g/m ²)	12 kg (26 lb)	47 kg (104 lb)	95 kg (209 lb)
Resistance	Resistance of the material is very low. For example, the added estimated pressure drop for a Merv 8, 24 x 24 x 2" filter with at 500 ft/min (2.5 m/sec) is 0.11 iwg (27 Pa).		
Other Notes:	*While custom widths are available, pricing is based on use of full 305 cm (120") master roll		

Standard Widths:	152 cm (60") Width Rolls		
Relative Roll Lengths:	Small	Medium	Large
Length	457 m (500 yd or 1500 ft)	1829 m (2000 yd or 6000 ft)	3658 m (4000 yd or 12000 ft)
Surface Area	697 m ² (833 yd ²)	2787 m ² (3333 yd ²)	5574 m ² (6667 yd ²)
Diameter of Rolls	Approx 28 cm (11")	Approx 51 cm (20")	Approx 71 cm (28")
Bulk Order Shipping Options	One 112 cm x 112 cm (44 x 44") Pallet can hold 9 small rolls	One 112 cm x 112 cm (44 x 44") Pallet can hold 4 small rolls	One 76 cm x 76 cm (30 x 30") Pallet can hold 1 large roll
Weight (34g/m ²)	24 kg (53 lb)	95 kg (209 lb)	189 kg (416 lb)
Resistance	Resistance of the material is very low. For example, the added estimated pressure drop for a Merv 8, 24 x 24 x 2" filter with at 500 ft/min (2.5 m/sec) is 0.11 iwg (27 Pa).		
Other Notes:	*While custom widths are available, pricing is based on use of full 305 cm (120") master roll		

