



## Enhanced Nano Filter Coating used to Filter COVID-19 – JBS Filterguard

JBS Group of Companies are based in the USA and UK. Our enhanced nano Filterguard coating is used to filter airborne contaminants including COVID-19.

JBS Filterguard coating is designed to allow air filters to capture and kill airborne or aerosolized droplets of viruses and bacteria that may contain COVID-19.

The coating works by capturing liquids which encase virus particles while still allowing air to flow unimpeded. This allows ventilation systems to remove the virus during normal operation, without retrofitting or limiting the system's ability to draw fresh air.

Product testing is completed at an independent lab. The tests confirm the treated filter captured virus sized particles. The coating does not change the Minimum Efficiency Reporting Value, or MERV, rating.

Products are manufactured in the USA, certified with product testing numbers and certification.

JBS Group USA have our state of the art nano research, development and production facility in Fort Lauderdale.

We work closely with industry and researchers to help turn scientific innovation into ground breaking products.

### Product Information

JBS Filterguard is a sustainable and environmentally friendly product.

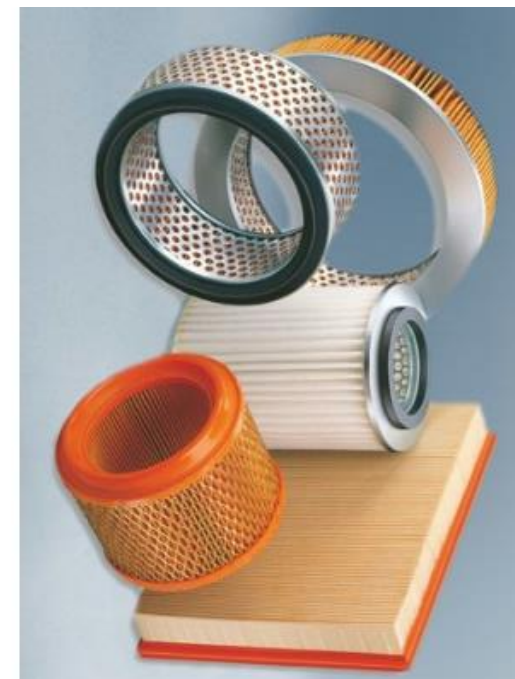
Our objective is not to change the rating of the filter. Filters are selected for the volume of the room they are installed in. Our objective is to go after the contaminants including bacteria, viruses and mould.

The war on COVID is being fought on a number of fronts, and poorly ventilated buildings and transportation systems are of major concern. The coating is another example of how nanotechnologies are entering the mainstream. The science in nanomaterials are now providing a solution to air filtration. JBS Group USA Inc manufacturing facility has been scaled up for this important mitigation solution.

The intricate coordination needed for this level of filtration is complex, JBS work closely with our clients to ensure the best possible solutions and technology.

Our JBS Filterguard coating is in a liquid form and can be applied using a refillable hand pump for home use or in 55 gal drums for commercial distribution.

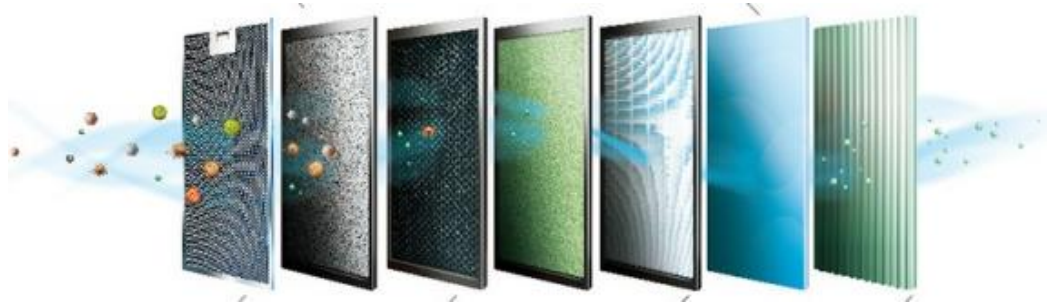
**A global company** - JBS operate in 80+ countries around the world.



**Safety is a choice you make – choose JBS Filterguard Nano Filter Coating.** Our filter coating is capable of capturing airborne contaminants and their hosts, trapping them on the filter's coating with zero reduction in air flow.



The above image shows three JBS Filterguard nano coated filters versus one uncoated filter. The three coated filters can be seen to be working while the uncoated filter (top right) is ineffective. This test was conducted over a two week trial period.



Reference: EPA, the National Science Foundation (NSF), the National Institute for Occupational Safety and Health (NIOSH), and the National Institute of Environmental Health Sciences (NIEHS).