



A high-performance air filtration membrane that can be functionalised for specific applications.

FilterLayr Eco redefines traditional filter media. FilterLayr Eco is electrospun nanofibre which can be infused with active additives designed to trap and neutralise even the smallest airborne particles, while still allowing excellent airflow rates.

FilterLayr Eco filtration is able to trap microscopic airborne particles such as spores, allergens, bacteria and viruses.

FilterLayr Eco can come in rolled goods for easy integration into a broad range of filtration applications like facemasks, cartridge masks, canister masks, and pleated HVAC filters.

Created using our proprietary 'Sonic Electrospinning Technology' method, it allows us to include functional additives to the chemistry of the nanofibre. It also guarantees the quality and high filter efficiency of the nanofibre.

Features



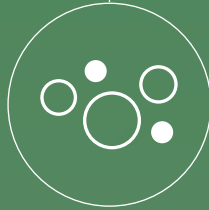
Extremely lightweight, making it ideal for wearables.



Comparable pressure drops to meltblown fibres.



Options for added functionality (hypoallergenic, bactericidal and virucidal).



Excellent filtration efficiency over a range of particle sizes due to the incredibly small pore sizes in the material and the electrostatic nature of the nanofibres.



Highly efficient PM2.5 protection – 99.99% of particles trapped.



High breathability because of the large pore volume.

- Made out of highly advanced electrospun nanofibre material.
- Incredibly high surface area – 1m² of FilterLayr contains 7.8m² of surface area and 8,300km of nanofibre.
- Wide-ranging functionality is available, including antibacterial and antiviral properties.
- Rolled goods ready to ship and shape.



Applications

FilterLayr is used to improve the performance of wearable masks, respirators, pleated filters, canister filters and any other air filter.

