



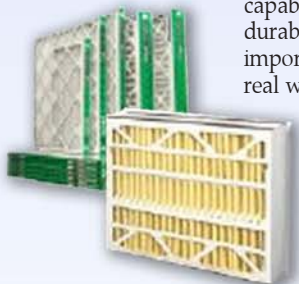
AIR FILTRATION & INDOOR AIR QUALITY

Air Filtration Products

Air filters are an integral part of dealing with problems in our indoor environments. Increasing the efficiency of air filters by adding a durable, safe and effective antimicrobial treatment can protect the air filter from abnormal fungal growth and help extend the usable life of the filter. With the proper choice of an antimicrobial agent applied to air filtration media, you prohibit the growth of microbes on filter surfaces.

Test data where air filtration products treated with the ÆGIS Microbe Shield® technology were studied for the level of retrieval from the surface prove that filters treated with the ÆGIS Microbe Shield technology reduce microbial activity in the filter matrix.

With more than a 30 year history of safe and effective use of this technology, its unique chemical bonding capability, its subsequent durability and, most importantly, its proven real world control of bacteria, fungi and algae on the filter without concern for adaptation and mutation permits its use



on everything from surgical drapes, intimate wear and hosiery to air filtration media.

ÆGIS Environments has developed and implemented highly controlled application procedures and a comprehensive Quality Control Program to achieve efficient and

effective integration of the antimicrobial chemistry into air filtration media. This, bolstered by participation of the best air filter and air filter media companies, assures the quality and efficacy of all products which reach the marketplace as a part of the ÆGIS Microbe Shield Program.

Air filters are part of the front-line for dealing with problems in our indoor environments. The ÆGIS Microbe Shield technology delivers antimicrobial capabilities in an effective, long lasting way that enhances the filtration quality.

Microbiological Consequences

Antimicrobials control or eliminate microorganisms. Common microorganisms like bacteria, algae, and fungi are found everywhere and can cause a wide range of problems. However, all antimicrobials are not created equal. It is important to understand the basic chemical, physical and biological properties of an antimicrobial so an effective and safe antimicrobial can be chosen. Once you know the facts, the obvious choice is ÆGIS.

Solution Meets Need

The ÆGIS Microbe Shield technology applied to air filtration media minimizes the growth of microbes on filter surfaces and reduces the chance for microbial "grow-through" and downstream spore distribution. Many chemical agents can and do exhibit excellent biocidal and antimicrobial properties, but the critical problem has always been the delivery of those desirable properties without dangerous side effects such as human and animal toxicity problems, minimal effective life, susceptibility to microbial adaptation and resistance, and degradation of filtration efficiency or static pressure characteristics.

The ÆGIS Microbe Shield addresses the two main ecological concerns associated with leaching antimicrobials: bleeding harmful toxins into the environment and the generation of adaptive organisms (super bugs). The mode of action of the ÆGIS Microbe Shield is physical and its molecular makeup alleviates both of these concerns. The ÆGIS Microbe Shield delivers antimicrobial capabilities that are durable and enhances filtration media with less stress to you and the environment.

The obvious choice is the ÆGIS Microbe Shield technology

Microbes are attracted to the treated surface and cells are punctured by the long molecular chain. Since the ÆGIS Microbe Shield technology is not consumed when destroying the organism, it stands ready to fight again.



For more information, contact us at
1.800.241.9186 ■ www.aegismicrobeshield.com