



Potential Concerns/Problems From Mold Growth on filters •••

- ✓ Air quality can be compromised by odors from microbial growth.
- ✓ Can be a source for building related sicknesses.
- ✓ Mold build up can increase resistance and related energy cost.
- ✓ Can result in early change out from escalated resistance.

Fiber Bond Filters with Spor-Ax® antimicrobial effectively control the growth of mold, mildew and fungi on the filter media.

Q - *What is Spor-Ax?*

A - Spor-Ax is Fiber Bond's registered trademark for an antimicrobial agent exclusive to Fiber Bond.

Q - *How is it described?*

A - EPA registered fungicide, which is part of the family of biocides.

Q - *What is the EPA registration number?*

A - EPA Registration number: 464-673-68603
EPA Establishment number: 83434-IL-001

Q - *How is Spor-Ax applied?*

A - Fiber Bond uses Spor-Ax in the adhesives and binders that bind otherwise loose fibers together into filter media. This use thoroughly incorporates Spor-Ax into the media so it becomes an integral part of the media as it is manufactured.

Q - *Can Spor-Ax come off the filter and go downstream?*

A - Spor-Ax is a permanent part of the media, as manufactured - not a post application.

Q - *How does Spor-Ax stop mold growth?*

A - When mold makes contact with Spor-Ax, the antimicrobial selectively kills the mold and prevents growth or proliferation on the filter media.

Q - *Is Spor-Ax safe?*

A - When selecting Spor-Ax antimicrobial, Fiber Bond searched for an antimicrobial product with a long history of use in a number of broad applications by companies doing business around the globe. The active ingredient in Spor-Ax is used in personal care and cosmetic products, children's finger paints and in direct food contact applications including can sealants for soft drinks.

Q - *Does Spor-Ax lose its effectiveness over time?*

A - Spor-Ax remains active throughout and beyond the life of the filter.

Q - *Will an antimicrobial increase the efficiency of an air filter?*

A - The function of an antimicrobial is to control microbial growth.

Q - *What can cause mold growth on filters?*

A - Three elements support microbial growth - darkness, moisture and a supply of nutrients. All are readily available within the confines of an air handler system. Filtration media can provide a breeding ground for mold and mildew.

Q - *Other manufacturers offer their standard product and an antimicrobial version at additional cost. Does Fiber Bond?*

A - Fiber Bond makes many filters that are designed for long service life. Since we manufacture our own filter media, we made the decision to incorporate Spor-Ax antimicrobial protection into our products.

Q - *Does a build up of dust on the surface of the filter media hinder the antimicrobial action?*

A - If a filter builds up a surface cake this will prevent contact with the antimicrobial on/or in the media. This is why Fiber Bond filters are designed to depth load. Collected dust and attached microbes can make contact with Spor-Ax throughout the media.

Q - *Does this mean the choice of filter is as important as the antimicrobial?*

A - A filter media designed for depth loading versus surface loading can provide longer service life and work with the antimicrobial to eliminate growth.

Q - *Does this mean Fiber Bond filters with Spor-Ax will solve all my indoor quality concerns?*

A - Fiber Bond filters with Spor-Ax is one positive step in an overall maintenance program for keeping an air handling system clean and in good condition.