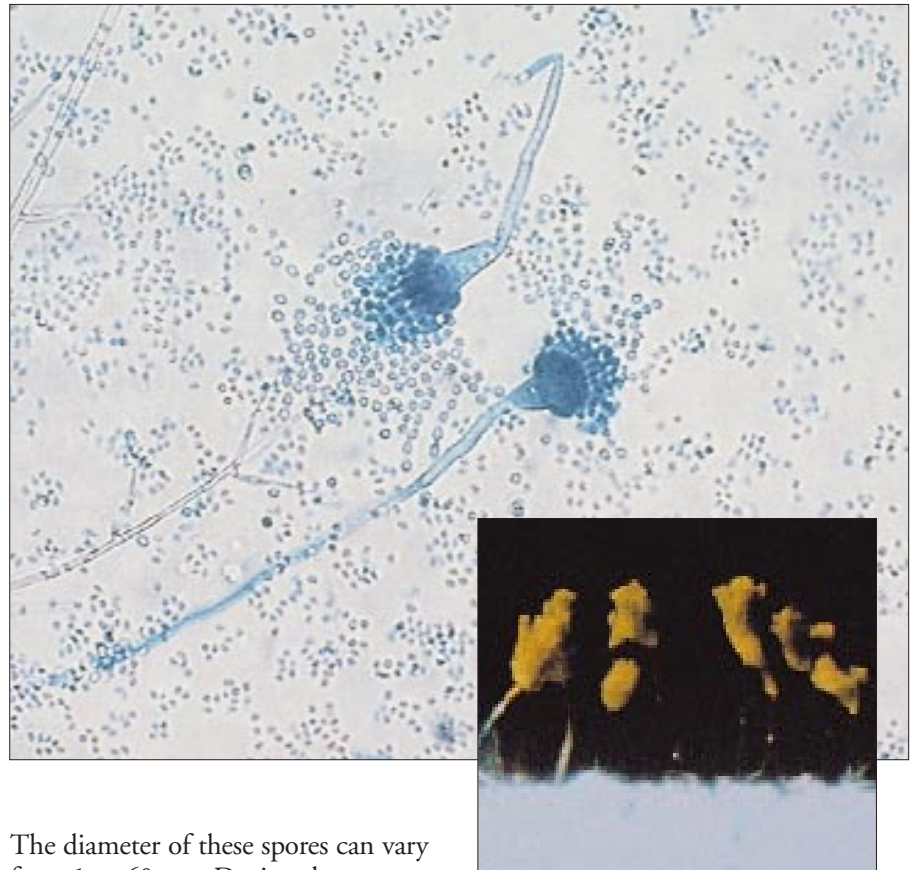




Fungi Inhibited by INTERSEPT®



There are at least 100,000 known species of fungi. The most widely known are yeasts, mushrooms, moulds and toadstools etc. Some fungi, like yeasts, are extremely useful to man. They are used in the production of beer. Others are used in the food processing industry, for example, in the manufacture of cheese. In the environment, fungi play an important role in maintaining the ecological balance.

Unfortunately, what make fungi so useful to nature also make some of them undesirable to humans. Most fungi produce spores that are carried in the airstream.

The diameter of these spores can vary from 1 to 60 μm . During the process of substrate degradation, fungi produce different metabolic products some of which are known to have a detrimental affect on indoor air quality. Mycotoxins are substances produced under specific conditions by certain moulds. These toxins may cause health problems in humans when inhaled. If fungi are allowed to pervade in a HVAC unit their spores can cause infections and disease when they become airborne. In fact, fungi are reported to be one of the main causes of Sick Building Syndrome and Building Related Illness. To address this problem, AAF has treated a wide

range of filters with Intersept® biostatic preservative. This preservative is effective in inhibiting a wide range of fungi documented to affect indoor air quality.

For more information on Intersept® see data sheet no. 120





List of Fungi

Aspergillus niger
Aspergillus fumigatus
Aspergillus flavus

Aureobasidium pullulans

Candida sp.

Chaetomium globosum

Cladosporium sp.

Curvularia sp.

Epidermophyton sp.

Gliocladium virens

Penicillium funiculosum
Penicillium sp.

Rhizopus sp.

Saccharomyces sp.

Thermoactinomyces sp.

Trichoderma sp.

Trichophyton sp.

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