

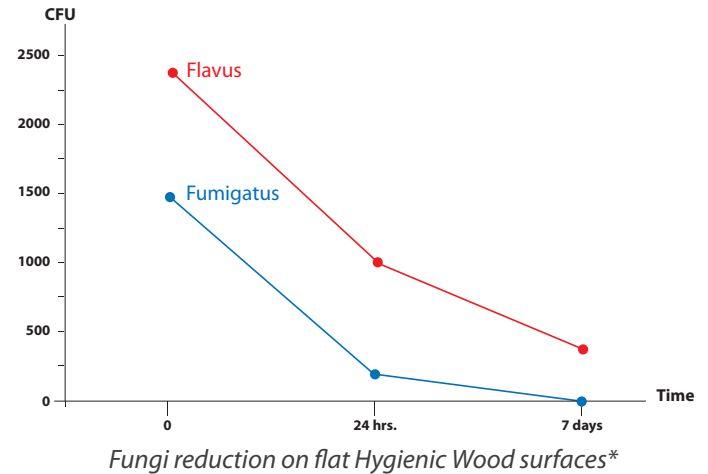
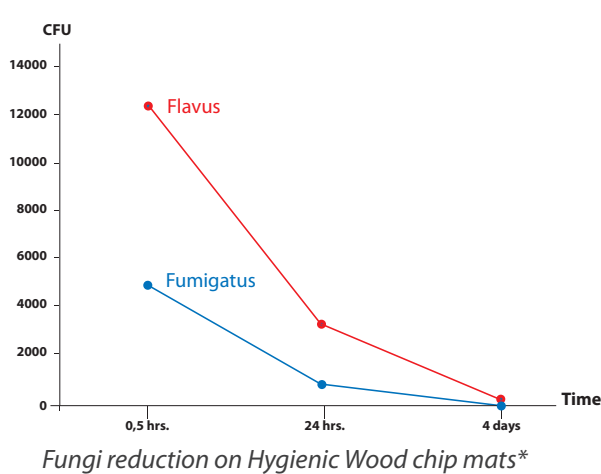
Wilms® Hygienic Wood - Useful against Aspergillus?

Objective

Are Hygienic Wood and Hygienic Wood mats able to reduce the mold organism *Aspergillus fumigatus* (responsible for more than 90% of life threatening cases of aspergilliosis) and *Aspergillus flavus*?

Procedure

This study sought to determine the survival of fungal organisms on a flat Hygienic Wood surface as well as on Hygienic Wood chip mats. Samples were taken for measurement at specific time intervals and the germ populations were documented.



Results

After half an hour, the mold organisms *Aspergillus fumigatus* and *Aspergillus flavus* were already reduced by almost 50%. On both the flat Hygienic Wood surface as well as on the Hygienic Wood chip mats, it took four days to reduce the fungus by 90%.

Conclusion

The results show that Wilms Hygienic Wood provides a hygienic living environment which is almost completely free of *Aspergillus fumigatus* and *Aspergillus flavus*. This ensures a significant reduction in the risk of people, especially those with compromised immune systems, contracting aspergilliosis disease.

Implementation



German Institute of Food Technology,
Professor-von-Klitzing-Str. 7, 49610 Quakenbrück, 2009.

* Data: Dr. rer. Nat. M. Timke (Dipl. biologist) (2009); Graphic Composition: Fa Wilms GmbH

