

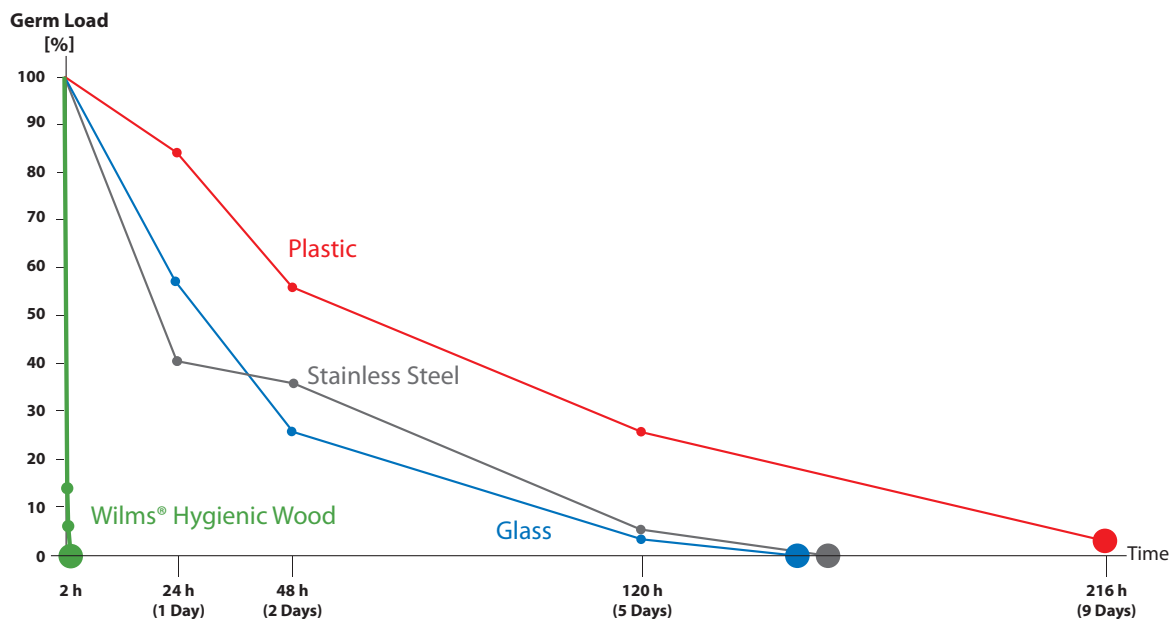
Germ reduction by Wilms® Hygienic Wood compared to other materials

Objectives

What are the antibacterial properties of Wilms® Hygienic Wood compared to other materials such as glass, stainless steel and plastic?

Approach

The test materials were each infected with 1×10^6 cfu / cm² (total number of bacteria live per sq. cm) of the E.coli bacterium. The development of bacterial populations was over a period of nine days, and is seen in the following chart.



*Germ load on Wilms® Hygienic Wood, glass, stainless steel and plastic **

Result

Particularly significant is the rapid destruction (2 hours) of all micro-organisms by Wilms® Hygienic Wood, while the other materials still had bacteria after 120 hours (polyethylene after 216 hours).

Conclusion

On Wilms® Hygienic Wood bacteria are reduced significantly faster than on glass, stainless steel and plastic.



Implementation

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* Data: Schönwälder, Annett (2001), S. 66; Graphical composition: Fa. Wilms GmbH

