



# MICOR

LABOR FÜR MIKROBIELLE PROZESSE UND MATERIALKUNDE  
DIPL.-PHYSIKERIN CONSTANZE MESSAL

## Certificate to Test Report 11072008-1


MICOR GmbH was engaged by **KEIMFARBEN** GmbH & Co.KG to test the photocatalytic induced inhibition of bacterial growth using the interior coating ECOSIL ME in June 2008. The test regime considered typical interior conditions with an UV-A radiation of  $1\text{W}/\text{m}^2$ .

**The effectiveness of the photocatalytic active interior coating ECOSIL ME against bacterial growth could be proved obviously for different genuses.**

**The number of the living bacteria was reduced around average 99%. Dead cells were degraded completely.**

**In aspects of sanitation and health care the reduction and removal of dead or living biomass is very important to prevent infectious contaminations. Dead cells still have a toxic and allergic potential. Therefore ECOSIL ME improve the interior hygiene better than an interior coating containing film conservation.**

Groß Lüsewitz, 11th of July 2008

  
Dr. rer. nat. Constanze Messal