



**TEST REPORT**

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Faculty of Science; Department of Biology, Institute of Microbiology  
Research Group: Applied Microbiology

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Date of test: April 18<sup>th</sup> 2011

Test materials: Hydrotect for Interior

Sampling: costumer

Test method and condition: ISO 27447:2009 (modified), Test bacterium: *Pseudomonas aeruginosa*,  
0.01 mW/cm<sup>2</sup> UV-A radiation, 4 hour incubation,  
measurement of living cell counts by spread plate method with 100 µl sample volume

Test results:

Type, size, shape of the test pieces	5.7 x 5.7 x 0.5 cm
size of analyzed surface area	4.0 x 4.0 cm
Removal method of organic substance	pre-exposition to UV-A light of 1 mW/cm <sup>2</sup> intensity for at least 24 hours
Temperature	room temperature
Manufacturer's name and type of lamps and wavelength of peak radiation of black light blue fluorescens lamp	Narva Lichtquelle GmbH + Co. KG, Brandt-Erbisdorf, Deutschland, LT 18 W/009 UV, 360 nm
Manufacturer's name, type of UV radiometer	Lutron Electronics GmbH, Berlin, Deutschland, UVA-365
Test cell	petridish 12.0 x 12.0 x 1.5 cm covered with moisture preservation glass (Schott Borofloat <sup>®</sup> 33 [SCHOTT JENA <sup>®</sup> Glas GmbH, Jena, Deutschland])
R <sub>0,01</sub>	5.0
ΔR	0.1
antibacterial properties	excellent under UV-A light (0.01 mW/cm <sup>2</sup> ) and in the dark

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