

Usability of schülke surface disinfectants in the schülke wipes system

In this study the suitability of 0.5 % and undiluted use-solutions of various schülke surface disinfectants was tested for use in the schülke wipes system over standing times of 28 days.

Test material: schülke wipes system
(90 +/- 1 wipes per roll; 100 % polyester, > 45 g / m²)

Test products:	terralin protect	(0.5 % use-solution)
	antifect AF (N)	(0.5 % use-solution)
	antifect FD 10	(0.5 % use-solution)
	buraton 10 F	(0.5 % use-solution)
	Desinfektions-Reiniger AF	(1% and 3% use-solution)

In addition, the **ready-to-use solutions** of

mikrozid AF Liquid
mikrozid sensitive Liquid
terralin Liquid

were tested in the schülke wipes system.

Test design:

The schülke wipes system was filled in each case with 2 – 2.5 litres of the use-solution being tested; for each product to be tested 3 test series were prepared. Then, to determine the zero values, the preparations of the first test series were used. For this, the use-solution was pressed out of the wipe rolls and an assay of the active substance was carried out. In addition, the use-solution was examined microbiologically. After standing times of 14 and 28 days at +25 °C the further test series were investigated for active substance content and microbial contamination.

Results:

The study of the tested use-solutions (undiluted for mikrozyd AF Liquid, mikrozyd sensitive Liquid and terralin Liquid) in the schülke wipes system showed an adequate active substance content with a minimum of 90% actives for all products tested, even after standing times of 14 and 28 days. The disinfection performance of the tested use-solutions is thus fully guaranteed in the schülke wipes system even after a standing time of 28 days.

Further, the use-solutions of all tested products showed no negative microbiological findings after 14- and 28-day standing times at +25 °C.

Summary:

In this study it could be shown that the tested use solution of the products

- terralin protect
- antifect AF (N)
- antifect FD 10
- buraton 10 F
- Desinfektions-Reiniger AF

and the undiluted use-solutions of

- mikrozyd AF Liquid
- mikrozyd sensitive Liquid
- terralin Liquid

are suitable for use in the schülke wipes system with a standing time of up to 28 days, and the disinfection is fully guaranteed when the system is used correctly.

Thus the tested products are highly suitable for the self-filling of the schülke wipes system by the user with a maximum standing time of 28 days.

In order to assure adequate wetting of the surfaces to be treated, the recommendation for the filling amount is 2 – 2.5 litres of the 0.5 % or undiluted solution per roll (90 +/- 1 wipes).

The hygiene requirements for the production and storage of disinfectant solutions must be observed. The water used for the production of the disinfectant solution and the vessels used should be in hygienically faultless state.

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Schülke & Mayr GmbH
Research & Development



Dr. Katrin Steinhauer
Head of Product Development Hygiene / Bioscience