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Report No. : 1 8 1 2 1 0 - 1

Applicant: JONAS Farbenwerke GmbH & Co. KG
Frau Schiemann
Dieselstraße 42 – 44
42489 Wülfrath / Germany

Application submitted: 23.11.2018

Test subject: How resistant is the coating with
>> JONAS Seidenglanz *premium* <<
against disinfectants that are used in hospitals and physicians'
practices for the disinfection of surfaces?

On-site inspection:

Sample / specimen: Wet sample
>> JONAS Seidenglanz *premium* <<

Date of report: December 10, 2018

Sampling procedure: official neutral private X

This test report refers to the test item that has been examined.

The test report comprises 6 pages of text.

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Introduction

JONAS Farbenwerke GmbH & Co. KG, Dieselstraße 42 – 44 in 42489 Wülfrath submitted a wet sample

>> JONAS Seidenglanz *premium* <<.

The aim was to test the coating material for its resistance to disinfectants used in hospitals and physicians' practices, following to application and subsequent drying.

Preparation of sample

Two gypsum plaster boards sized 0.60 m x 0.25 m were primed with water-dilutable isolating paint (130 g/m² on average). After good homogenization of the coating material the density was measured with the pycnometer according to DIN EN ISO 2811-1. The result was a density of 1.32 g/cm³.

Following 24 hours of drying at room air conditions, ~ 20 °C/ 60 % relative humidity,

>> JONAS Seidenglanz *premium* <<

was applied two times with a drying time of 12 hours in-between. The material was well homogenized both times. Total consumption ~ 321 ml/m² respectively 244 g/m².

Examination

The disinfectants were prepared using the highest concentrations which, according to their specifications, offer the briefest time of action when used for the disinfection of surfaces. Also used in the examinations were two alcoholic solutions as ready-to-use products.

Please refer to the attached list of products which include product name, concentration as well as the combination of active ingredients.

The resistance to disinfectants was tested after 11 days of drying of the coating.

Individual volumes of approx. 0.5 ml of each disinfecting solution were applied to the filter paper scraps lying on the coating surface and immediately covered with an hour glass.



Following an acting period of 1 hour respectively 3 hours the disinfectants were completely removed using paper towels. Then the stressed test surfaces were assessed under glancing light.

Following the acting period of 3 hours the whole surface was rinsed with water and the test plates were dried. Another assessment was done after 24 hours of drying under room air conditions.

Results

After exposure of the test surfaces to the dilutable disinfectants the coated surfaces and / or the coating films in themselves showed neither changes in colour, nor bubble or crack formations or loss of adhesiveness.

For the products Incidin® Liquid Spray and Bacillol® a severe softening and matting effect of the coating was observed, especially by Incidin® Liquid Spray, and in case of mechanical stress, i.e. wiping, damages of the coating are possible.

After 24 hours of drying by both ready-to-use solutions significant changes to the surface are observed, a stronger marking by Incidin® Liquid Spray as by Bacillol®.

Summary

The exposure of >> **JONAS Seidenglanz premium** <<

coatings to the dilutable disinfectants as used in hospitals and physicians practices (please refer to list) does not lead to neither changes in colour, nor formation of cracks or bubbles or loss of adhesiveness. This was confirmed in tests immediately after exposure times of 1 hour and 3 hours, as well as following full drying.

For the products Incidin® Liquid Spray and Bacillol® a severe softening and matting effect of the coating was observed, especially by Incidin® Liquid Spray, and in case of mechanical stress, i.e. wiping, damages of the coating are possible.

After 24 hours of drying by both ready-to-use solutions significant changes to the surface are observed, a stronger marking by Incidin® Liquid Spray as by Bacillol®.

The tests were made following DIN EN ISO 2812-3 from 2012.

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Following disinfectants were used for the examination:

Incidin ® Plus	concent. of 2 %	1	Ecolab	glucoprotamin
Incidin ®	concent. of 2 %	2	Ecolab	glutaral, benzalkonium chloride, didecyldimethylammonium chloride
Incidin ® Extra N	concent. of 2 %	3	Ecolab	glucoprotamin, benzalkonium chloride
Incidin ® Pro	concent. of 0,5 %	4	Ecolab	2-phenoxy ethanol, N,N-bis-(3-aminopropyl) dodcylamine, benzalkonium chloride
Kohrsolin ®	concent. of 3 %	5	Bode	glutaral, (ethylenedioxy)dimethano 1,3-Bis(hydroxymethyl)urea, tetrahydro-1,3,4,6-tetrakis-hydroxymethyl)imidazo[4,5-d]— 2,5(1H,3H)-dion
Terralin ® protect	concent. of 0.5 %	6	S & M	benzalkonium chloride, 2-phenoxy ethanol, aminoalkylglycine
Buraton ® 10 F	concent. of 1 %	7	S & M	glyoxal, formaldehyde, glutaral, 2-ethylhexanal
Quartamon ® Med	concent. of 2 %	8	S & M	benzalkonium chloride
Incidin ® Liquid Spray	Ready-to-use solution	9	Henkel	2-propanol, 1-propanol, micro biocide ampho tensides
Bacillol ®	Ready-to-use solution	10	Bode	1-propanol, 2-propanol, ethanol, 1,6-dihydroxy-2,5-dioxahexane, mecetronium ethylsulfate



Testing of JONAS Seidenglanz *premium*

Abstract of examination report of 10th December, 2018

- Applicant:** JONAS Farbenwerke GmbH & Co. KG
Frau Schiemann
Dieselstraße 42 – 44
42489 Wülfrath / Germany
- Test subject:** How resistant is the coating with
>> JONAS Seidenglanz *premium* <<
against disinfectants that are used in hospitals and physicians'
practices for the disinfection of surfaces?
- Test result:** The 8 dilutable disinfectants used for testing did not lead to neither
changes in colour, nor formation of cracks or bubbles or loss of
adhesiveness in the gypsum plaster boards which had been primed
with water-dilutable isolating paint.
For the products Incidin® Liquid Spray and Bacillo® a severe
softening and matting effect of the coating was observed, especially
by Incidin® Liquid Spray, and in case of mechanical stress, i.e.
wiping, damages of the coating are possible.
After 24 hours of drying by both ready-to-use solutions significant
changes to the surface are observed, a stronger marking by Incidin®
Liquid Spray as by Bacillo®.

The tests were made following DIN EN ISO 2812-3 from 2012.

Cologne, dated 10th December, 2018

