

# PILF

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## Report No. : 151125 - 2

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

**Application submitted:** 23.10.2015

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

**On-site inspection:**

**Sample / specimen:** Wet sample  
>> **JONAS Dura-In** <<

**Date of report:** December 01, 2015

**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 Dura-In <<

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/m<sup>2</sup> 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 1.28 g/cm<sup>3</sup>.

### >> JONAS Dura-In <<

was applied two times with a drying time of 24 hours in-between, total consumption ~ 209ml/m<sup>2</sup> respectively 288 g/m<sup>2</sup>.

The material was well homogenized both times.

## 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 14 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 1 hour respectively 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, also after 24 hours of drying.

By Incidin® Liquid Spray a severe softening of the coating and bubbles was observed.

By Bacillol® a light softening of the coating was observed.

By both disinfectants is in case of mechanical stress, i.e. wiping, damages of the coating are possible.

After 24 hours drying by both disinfectants the coating surface is normal hard, by Incidin® Liquid Spray with a brittle bubbles film.

## Summary

The exposure of >> **JONAS Dura-In** << 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.

The application of the alcohol ready-to-use solution Incidin® Liquid Spray leads to a severe softening of the coating and also the building of bubbles.

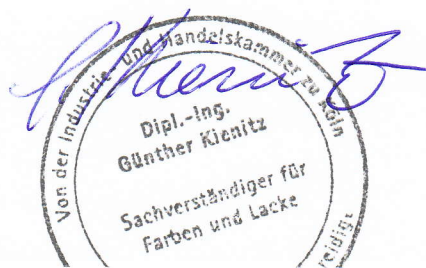
By the application of Bacillol® a light softening of the surface coating was observed.

In case of stress, i.e. wiping, damages of the coating are possible.

After 24 hours drying by both disinfectants the coating surface is normal hard, by Incidin® Liquid Spray with a brittle bubbles film.

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

Cologne, dated 01<sup>st</sup> December, 2015



Following disinfectants were used for the examination:

Incidin ® Plus	concent. of 2 %	1	Henkel	glucoprotamin
Incidur ®	concent. of 2 %	2	Henkel	glyoxal, glutaral
Minutil ®	concent. of 0.5 %	3	Henkel	formaldehyde, glyoxal, glutaral
Incidin ® Extra N	concent. of 2 %	4	Henkel	glucoprotamin, benzalkonium chloride
Kohrsolin ®	concent. of 3 %	5	Bode	glutaral, (ethylenedioxy)dimethanol, 1,3-Bis(hydroxymethyl)urea, tetrahydro-1,3,4,6-tetrakis- hydroxymethyl)imidazo[4,5-d]— 2,5(1H,3H)-dion
Terralin ®	concent. of 0.5 %	6	S & M	benzalkonium chloride, phenoxy propanol
Buraton ® 10 F	concent. of 1 %	7	S & M	glyoxal, formaldehyde, glutardialdehyde, 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 Dura-In

Abstract of examination report of 01<sup>st</sup> December, 2015

**Applicant:**

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

**Test subject:**

How resistant is the coating with  
**>> JONAS Dura-In <<**  
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.

The application of the alcohol ready-to-use solution Incidin® Liquid Spray leads to a severe softening of the coating and also the building of bubbles.

By the application of Bacillol® a light softening of the surface coating was observed.

In case of stress, i.e. wiping, damages of the coating are possible. After 24 hours drying by both disinfectants the coating surface is normal hard, by Incidin® Liquid Spray with a brittle bubbles film.

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

Cologne, dated 01<sup>st</sup> December, 2015

