

SteriTouch[®]

Antimicrobial performance report 1537

Crown Trade Steracryl Antibacterial Scrubbable Matt Paint vs. Standard Paint

Tested over 6 Hours and 24 Hours at 25°C

Evaluation of the antimicrobial performance of samples containing SteriTouch[®] additives.
All testing is conducted by an independent laboratory using the JIS Z 2801:2000 test method.

Introduction

This report is a summary of the results of the above testing including the numeric test results and a graphical representation of those results.

Test Samples

Where possible, all test materials are taken from samples of the actual product. Samples typically measure 50mm x 50mm, as specified by the JIS Z 2801:2000 method, although where this is impractical it is permissible to use smaller samples with the method being modified accordingly.

Control: Standard Paint

Test sample: Crown Trade Steracryl Antibacterial Scrubbable Matt with SteriTouch antimicrobial additive

Test Method

The samples were tested according to the JIS Z 2801:2000 method, briefly summarised as follows;

Each test sample is inoculated with a suspension of the test organism (for example, MRSA). The inoculum is held in contact with the test sample using a sterile polyethylene film. All test samples are inoculated in triplicate, with an additional three replicates of the control.

The bacterial population on three control replicates is evaluated immediately following inoculation. This is assumed to be the initial population on all test samples (i.e. the population at zero hours).

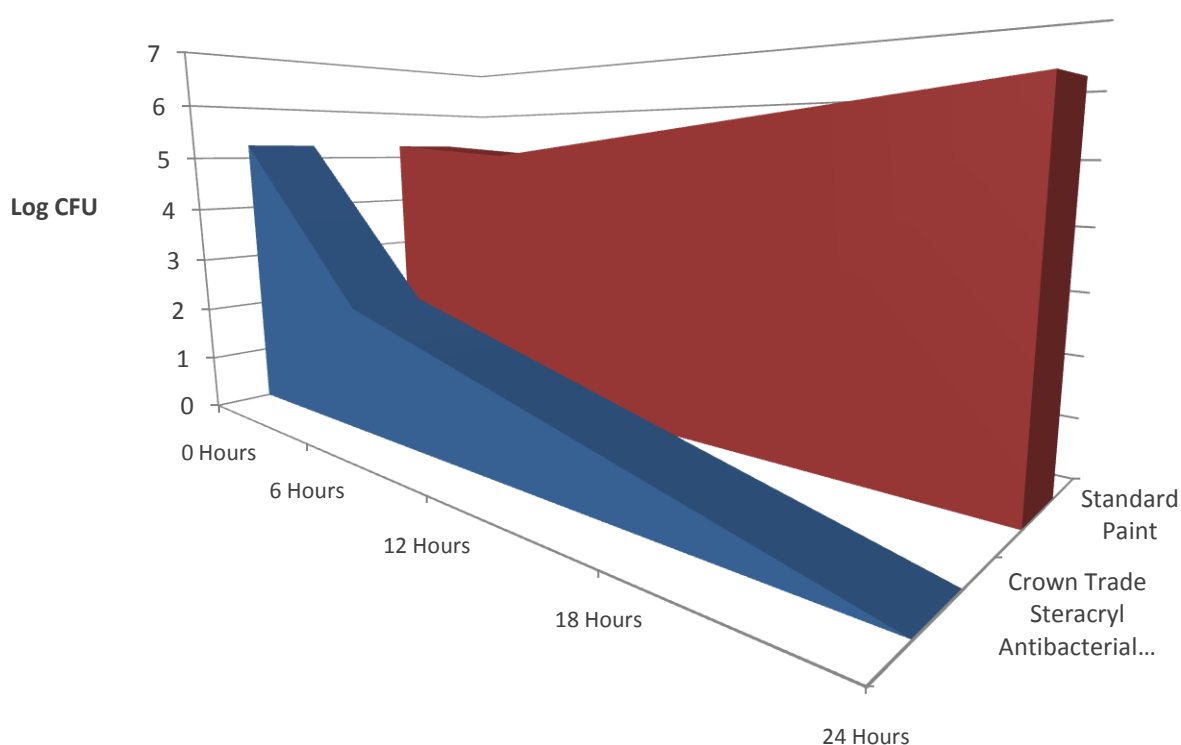
The remaining samples are incubated for the test period, at which time the bacterial population is evaluated.

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The following tables show the average results for each test sample.

E. Coli (NBRC-3972) tested @ 25°C					
Sample	0 hours	6 hours		24 hours	
	CFU	CFU	% reduction	CFU	% reduction
Standard Paint	1.8×10^5	1.1×10^5	n/a	1.4×10^6	n/a
Crown Trade Steracryl Antibacterial Scrubbable Matt	1.8×10^5	2.8×10^3	97%	<10	99.99%

Notes: CFU = Colony Forming Units. The theoretical limit of detection is 10 CFU. If no bacteria are recovered, the result is reported as "<10 CFU"



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The following tables show the average results for each test sample.

MRSA (IID-1677) tested @ 25°C					
Sample	0 hours	6 hours		24 hours	
	CFU	CFU	% reduction	CFU	% reduction
Standard Paint	1.1×10^5	1.0×10^5	n/a	1.4×10^5	n/a
Crown Trade Steracryl Antibacterial Scrubbable Matt	1.1×10^5	7.7×10^4	23%	<10	99.99%

Notes: CFU = Colony Forming Units. The theoretical limit of detection is 10 CFU. If no bacteria are recovered, the result is reported as "<10 CFU"

