

Certificate of Analysis

Customer: ISKU
Certificate Number: BL020/2018
Date of testing: 2016- March 2018*

Test Method: Determination of Antibacterial Activity using Test Based on MOD ISO22196: 2011

		Contact Time		Red ⁿ against Initial	
Sample	Test Bacterium	0 Hrs	24 Hrs	Log ₁₀	%
TREATED - TABLE EDGING. PU SYSTEM (100/253)	MRSA	1.60E+05	≤11.11	≥4.16	≥99.99%
	<i>E.coli</i>	6.97E+04	≤11.11	≥3.80	≥99.98%
TREATED - WET PAINT (100/269)	MRSA	2.40E+05	≤11.11	≥4.33	≥99.99%
	<i>E.coli</i>	2.00E+04	≤11.11	≥3.26	≥99.94%
TREATED - CLEAR LACQUER ON WOOD (100/270)	MRSA	2.40E+05	≤11.11	≥4.33	≥99.99%
	<i>E.coli</i>	2.00E+04	≤11.11	≥3.26	≥99.94%
TREATED - U2232 GREY ANTIBACTERIAL CPL LAMINATE (100/278)	MRSA	1.45E+06	≤11.11	≥5.11	≥99.99%
	<i>E.coli</i>	7.33E+05	≤11.11	≥4.82	≥99.99%
TREATED - RUDOLF ARM REST. TREATED NYLON (170/169)	MRSA	2.00E+05	≤11.11	≥4.26	≥99.99%
	<i>E.coli</i>	2.66E+05	≤11.11	≥4.38	≥99.99%
TREATED - PU PAD ARM REST (170/124)	MRSA	3.16E+05	≤11.11	≥4.45	≥99.99%
	<i>E.coli</i>	3.52E+05	≤11.11	≥4.50	≥99.99%
TREATED - 100% UV LACQUER TOP COAT APPLIED ON PARQUET. UM1178-0025 (170/206)	MRSA	8.60E+03	≤11.11	≥2.89	≥99.87%
	<i>E.coli</i>	3.59E+05	≤11.11	≥4.51	≥99.99%

TREATED - INFRALIT EP/PE 8235-75 (100/120)	MRSA	4.07E+05	≤11.11	≥4.56	≥99.99%
	<i>E.coli</i>	9.37E+04	≤11.11	≥3.93	≥99.99%
TREATED - INFRALIT EP/PE 8235-90 (100/118)	MRSA	4.07E+05	≤11.11	≥4.56	≥99.99%
	<i>E.coli</i>	9.37E+04	≤11.11	≥3.93	≥99.99%
TREATED - INFRALIT EP/PE 8235-30 (100/122)	MRSA	4.07E+05	≤11.11	≥4.56	≥99.99%
	<i>E.coli</i>	9.37E+04	≤11.11	≥3.93	≥99.99%
TREATED - STEP + WORKING CHAIR. ANTIMICROBIAL PU ARM REST PADS. (170/528)	MRSA	1.18E+05	≤11.11	≥4.03	≥99.99%
	<i>E.coli</i>	1.90E+05	≤11.11	≥4.23	≥99.99%
TREATED - PU PAD (170/234)	MRSA	6.66E+05	≤11.11	≥4.78	≥99.99%
	<i>E.coli</i>	2.81E+05	≤11.11	≥4.40	≥99.99%
TREATED - ARM REST FOR METAL FRAME CHAIRS, PA6 EMS GRIVORY/GRILON ES (170/500)	MRSA	3.46E+05	1.13E+03	2.49	99.67%
	<i>E.coli</i>	7.38E+05	≤11.11	≥4.82	≥99.99%

		Contact Time		Red ⁿ against Initial	
Sample	Test Bacterium	0 Hrs	30 Minutes	Log ₁₀	%
TREATED - ANTIMICROBIAL CPL LAMINATE WITH BIOCOTE. (TACON ADVANCED LAMINATE) (170/390)	MRSA	8.99E+05	3.20E+04	1.45	96.44%
	<i>E.coli</i>	1.01E+05	1.12E+04	0.96	88.98%
TREATED - WATERBORNE LACQUER ON WOOD PANEL WITH BIOCOTE. (170/391)	MRSA	3.60E+05	1.66E+04	1.34	95.38%
	<i>E.coli</i>	1.82E+05	4.05E+04	0.65	77.81%

The above data show the changes in size of the initial bacterial populations due to their contact with the treated surface of the samples. The samples detailed in this CoA were tested for 30 minutes (modification allowed by ISO22196) at 35°C under a RH of >95% as specified in the ISO22196 method.

MRSA – Methicillin Resistant Staphylococcus aureus

		Contact Time		Red ⁿ against Initial	
Sample	Test Bacterium	0 Hrs	60 Minutes	Log ₁₀	%
TREATED - ANTIMICROBIAL CPL LAMINATE WITH BIOCOTE. (TACON ADVANCED LAMINATE) (170/390)	MRSA	8.99E+05	≤11.11	≥4.91	≥99.999%
	<i>E.coli</i>	1.01E+05	≤11.11	≥3.96	≥99.99%
TREATED - WATERBORNE LACQUER ON WOOD PANEL WITH BIOCOTE. (170/391)	MRSA	1.36E+05	3.13E+03	1.64	97.70%
	<i>E.coli</i>	1.03E+05	≤11.11	≥3.97	≥99.99%

The above data show the changes in size of the initial bacterial populations due to their contact with the treated surface of the samples. The samples detailed in this CoA were tested for 60 minutes (modification allowed by ISO22196) at 35°C under a RH of >95% as specified in the ISO22196 method.

MRSA – Methicillin Resistant Staphylococcus aureus

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