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Koroseal Interior Products, LLC

MICROBIOLOGICAL TEST REPORT

SCOPE OF WORK
ASTM G21-15(2021) E1 – STANDARD PRACTICE FOR DETERMINING RESISTANCE OF SYNTHETIC POLYMERIC MATERIALS TO FUNGI

PRODUCT
DIGITALLY PRINTED WALL PROTECTION

LABORATORY REPORT NUMBER
106586508COL-001

ISSUE DATE
29-Jun-2026

TESTING FACILITY
Intertek Columbus Microbiology Laboratory
1717 Arlingate Ln.
Columbus, OH 43228

DOCUMENT CONTROL NUMBER
RTTDS-L-AMER-Test-8074
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SECTION 1 REPORT

TEST METHOD	**ASTM G21-15(2021) e1 – Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi**
CLIENT	Koroseal Interior Products, LLC 7929 National Turnpike Louisville, KY 40214 USA
LABORATORY PROJECT No.	G106586508
LABORATORY REPORT No.	106586508COL-001
DATES TESTED	5/21/2026 – 6/18/2026
REPORT DATE	6/29/2026

SECTION 2 TEST SAMPLE

DESCRIPTION	Digitally printed wall protection
MODEL(S)	Not provided
ACQUISITION METHOD	Sample shipped by the client to test facility
ARRIVAL DATE	4/21/2026
SAMPLE ID	COL2604211023-001
CONDITION	Good
DEVELOPMENT LEVEL	Not Provided
SAMPLE PHOTO	The sample has two surfaces, designated **Side A** and **Side B**, as shown in the photographs below. These designations are used throughout the Test Results section.

Photo 1 - Side A:



Photo 2 - Side B:



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SECTION 3 CHALLENGE MICROORGANISMS

Organism	ATCC Number	Source
*Aspergillus brasiliensis (*historically *Aspergillus niger)*	9642	ATCC
Talaromyces pinophilus (historically Penicillium pinophilum)	11797	ATCC
Chaetomium globosum	6205	ATCC
Trichoderma virens (historically *Gliocladium virens*)	9645	ATCC
Aureobasidium pullulans	15233	ATCC

SECTION 4 TEST SUMMARY

This test method evaluates the ability of synthetic polymerics to resist fungal growth under favorable environmental growth conditions. Test specimens are sprayed with a solution containing mixed fungal spores from the challenge microorganisms and then incubated for a period of 28 days. The test specimens then undergo visual evaluation for fungal growth and are rated using the Description and Rating Key in Section 5 below.

A viability control consisting of sterile filter paper is inoculated and incubated in parallel. To consider the test valid, copious growth must be present on the surface of viability control after 14 days of incubation.

SECTION 5 TEST RESULTS

Sample Incubation: 5/21/2026 12:00 PM – 6/18/2026 12:00 PM

Sample	Replicate Number	Description of Fungus Growth	Rating
Digitally printed wall protection (Side A)	1	No growth was observed	**0**
	2	No growth was observed	**0**
	3	No growth was observed	**0**
Digitally printed wall protection (Side B)	1	No growth was observed	**0**
	2	No growth was observed	**0**
	3	No growth was observed	**0**

Description and Rating Key

Observed Growth on Specimens (Sporulating or Non-Sporulating, or Both)	Rating
None	0
Traces of growth (less than 10%)	1
Light growth (10 to 30%)*	2
Medium growth (30 to 60%)	3
Heavy growth (60% to complete coverage)	4

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***** Per ASTM G21, continuous cobwebby growth extending over the entire specimen, even though not obscuring the specimen, should be rated as two.

Progressive change in specific physical, optical, or electrical properties not evaluated.

SECTION 6 PHOTOS

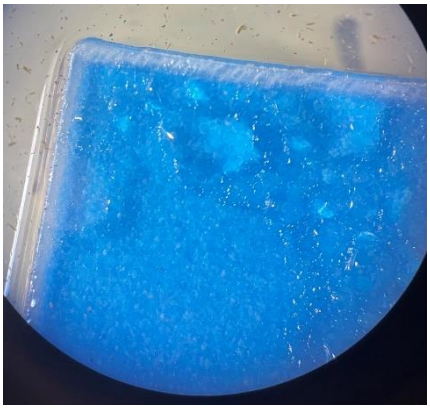


Photo 1. Digitally printed wall protection (Side A) – 10x Magnification, after Incubation period.

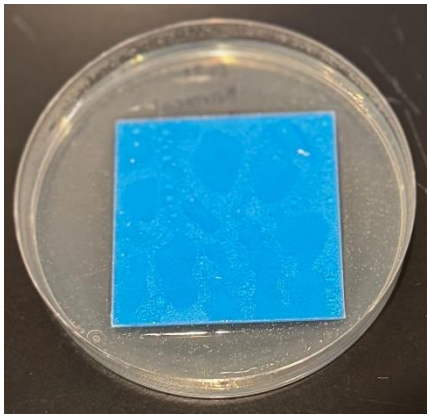


Photo 2. Digitally printed wall protection (Side A) – After incubation period.

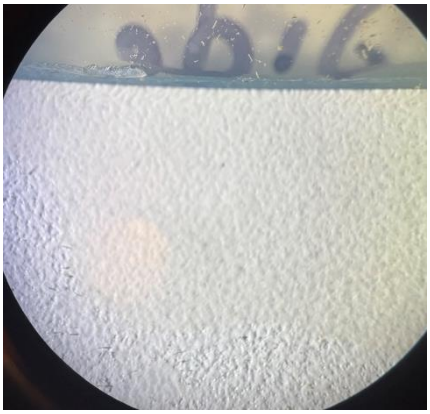


Photo 3. Digitally printed wall protection (Side B) – 10x Magnification, after Incubation period.

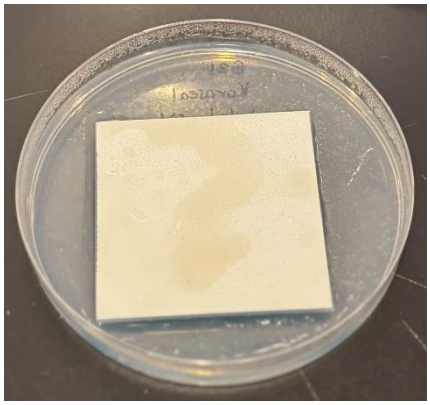


Photo 4. Digitally printed wall protection (Side B) – After incubation period.

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Photo 5. Control after incubation period – 10x Magnification.

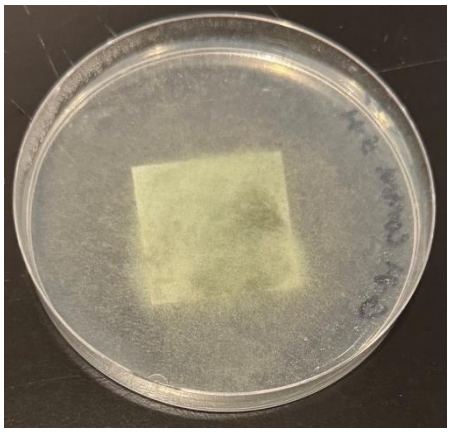


Photo 6. Control after incubation period.

Test Performed by:

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