

MILDEW RESISTANCE

When mildew becomes a problem in a wall-covering installation, it can lead to wasted time and needless costs for removal and replacement. Korographics® Digital Wallcoverings help protect against mildew growth. An antimicrobial agent added in the production process ensures that, when properly installed* Korographics® Digital Wallcoverings (the “Wallcoverings”) will not experience any of the problems associated with surface fungal growth.

And that means no needless replacement. No needless costs. No needless disruption of the working environment. The walls are protected so that you are.

All of the Wallcoverings produced in our facilities contain mildew and staph-resistant additives in the vinyl and plastisol. This provides the wallcovering with resistance to the growth of mildew and bacteria, including mold, fungi, pink stain and black fungal stain.

All wallcoverings have been tested and comply with paragraph 3.6 “Mildew Resistance” of CCC-W-408D and paragraph 7.18 “Mildew Resistance” of ASTM F793, Standard Classification of Wallcovering by Durability Characteristics.”

The test method used in these specifications is ASTM G21, Recommended Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.”

A description of ASTM-G21 is as follows:

The samples are placed on (non-nutrient) mineral salts agar and inoculated with a mixed

fungal spore suspension of:

Aspergillus Niger	ATCC 9642
Penicillium Funiculosum	ATCC 9644
Chaetomium Globosum	ATCC 6205
Aureobasidium Pollulans	ATCC 9348
Trichoderma Sp.	ATCC 9645

After 28 days of incubation at 28°C, antifungal is evaluated by visually rating the degree of fungal growth on the samples.

The ASTM rating is:

ASTM Rating	Surface fungal Growth
0	No growth
1	0-10% Growth
2	10-30% Growth
3	30-60% Growth
4	60% to complete coverage

The specifications listed require a 0 or 1 ASTM Rating. The Korographics® Digital Wallcoverings using the ASTM G21 method received a rating of 0. This means there was no surface fungal growth on the tested samples.

*Please read the Installation Instructions for the Wallcoverings for proper installation and maximum moisture levels.

**MILDEW RESISTANCE
(ADDITIONAL INFORMATION)**

The microbial resistance of the Wallcoverings was tested at the labs of the Ventron Corporation. Tests were performed for resistance to Staphylococcus Aureus, Streploverticillium Reticulum (pink staining) and Mixed Fungal Spore ASTM G21. The results were as follows:

	Staph Aureus	Pink Stain	Mixed Fungal ASTM G-21-80
<i>Type III heavy weight</i>			
<i>A. Teflon Coated</i>			
Vinyl side	0-3/A	0/B	0/C
Fabric side	4/A	5/B	0-2/C
<i>B. Non-Teflon Coated</i>			
Vinyl side	6/A	6/B	6/C
Fabric side	4/A	5/B	0-2/C
<i>Type II medium weight</i>			
Vinyl side	3/A	.5-1/B	C
Fabric side	3/A	.5-1/B	C

The number ahead of the slash mark (/) is the zone of inhibition in mm. A=no growth in contact area, B=no stain and C=no growth.

The ratings indicate that the sample tested has no growth in the contact areas nor evidence of pink staining.

These photos show the Wallcovering samples after incubation tests.



These photos show selected major wallcovering supplier samples after the same tests.

