



The Resistance of Fabric Backed & Non Woven Fabric Backed  
Vinyl Wall Covering to Microorganisms  
for  
Prime Wallcoverings

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

## METHODOLOGY

### **Bacterial Resistance (qualitative)**

The samples were placed on nutrient agar inoculated with:

*Staphylococcus aureus* ATCC 6538

After 24 hours of incubation at 37°C, antibacterial activity was evaluated by measuring (in mm) the size of a clear zone of no growth (Zone of Inhibition) around each sample, and visually determining growth in the contact area.

Bacterial growth is rated by the following scale:

#### No Growth Contact Area (NGCA)

This is a designation frequently used in bacterial tests. Bacterial organisms are difficult to determine on the sample itself, so the area immediately under the sample is examined for growth. This is usually a passing designation and indicates that there were no bacterial colonies found under the sample.

#### Growth Contact Area (GCA)

This indicates failure of the sample since colonies of bacteria are detected immediately under the sample in contact with the same.

## **Mildew Resistance**

### **Pink Stain**

The samples were placed on nutrient agar inoculated with the pink staining organism, *Streptovorticillium reticulum* ATCC 25607. After 14 days of incubation at 28°C, antifungal activity was evaluated by measuring (in mm) the size of a clear zone of no growth (Zone of Inhibition) around each sample, and visually rating the degree of stain.

Surface stain is rated by the following scale.

No Stain	(NS)
Trace of Stain	(TS)
Light Stain	(LS)
Moderate Stain	(MS)
Heavy Stain	(HS)

## **MIXED FUNGAL TEST**

### **Method for Determining Resistance of Polymeric Materials to Fungi**

The samples were placed on (non-nutrient) mineral salts agar and inoculated with a mixed fungal spore suspension of:

<i>Aspergillus niger</i>	ATCC 9642
<i>Cladosporium cladosporioides</i>	ATCC 16022
<i>Aureobasidium pullulans</i>	ATCC 9348

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

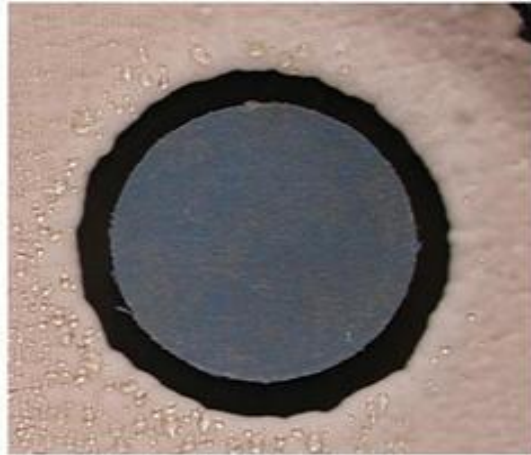
Surface fungal growth is rated by the following scale:

No Growth	(NG)
Traces of Growth (less than 10% coverage)	(TG)
Light Growth (10 to 30% coverage)	(LG)
Medium Growth (30 to 60% coverage)	(MG)
Heavy Growth (60% to complete coverage)	(HG)

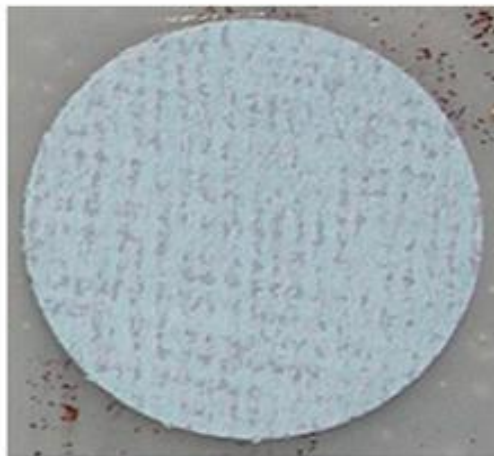
**TEST NO. 08-085**  
**SAMPLE SUWIDE NW 360**  
**9110-00167 QBGVLS BATCH 845**  
**BACTERIAL RESISTANCE**  
*Staphylococcus aureus*



**TEST NO. 08-085**  
**SAMPLE SUWIDE NW 360**  
**9110-00167 QBGVLS BATCH 845**  
**PINK STAIN TEST**  
*Streptovercillium reticulum*



**TEST NO. 08-085**  
**SAMPLE SUWIDE NW 360**  
**9110-00167 QBGVLS BATCH 845**  
**FUNGAL TEST**  
**MIXED FUNGI**



## RESULT

The sample performed well against all tests performed.

The procedures are described in the methodology

SAMPLE Prime Wallcoverings	ZONE OF INHIBITION (mm) / GROWTH OR STAIN		MIXED FUNGI
	Staphylococcus aureus	Pink Stain Test	FUNGAL GROWTH
9110-00167 QBGVLA batch 845	2/NGCA	2/NS	NG

Note: Photographs are enclosed.

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