



Acrovyn®

Fungal Resistance Testing



SGS U.S. Testing Company Inc.

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Report Number: 116742-01

Date: 12/15/98

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Client: Construction Specialty
RR #2 State Rt 1043/POB 378
Milton, PA 17847

Attn.: Jim Fenstermacher

REPORT OF TEST

Subject: Samples submitted and identified by the client as: 10 C/S Group Acrovyn (PVC) Material (2"x2" Squares)

Sample Description: Beige polymeric pieces, textured on one side; smooth on opposite side; 2x2x0.63 inches nominal, received 11/09/98.

Project: Fungal Resistance Testing

Test Dates: 11/13/98 to 12/10/98

Procedure: ASTM G-21

The testing was conducted in accordance with the procedures outlined in ASTM G-21-96, "Determining Resistance of Synthetic Polymeric Materials to Fungi".

Four sample specimens were each placed in petri dishes on sterile mineral salts medium, two face-up (textured) and two face-down, and sprayed with an inoculum the following organisms:

	<u>ATCC #</u>
<i>Aspergillus niger</i>	9642
<i>Penicillium funiculosum</i>	11797
<i>Chaetomium globosum</i>	6205
<i>Gliocladium virens</i>	9645
<i>Aureobasidium pullulans</i>	15233

Prepared by:

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Biological Services

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To download details, specs & photos visit www.c-sgroup.com
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Procedure (cont.):

Test control materials as a negative control (glass) and positive controls (paper, cork, cotton, and vinyl) were also inoculated.

After inoculation, samples and controls were placed in a controlled environmental test chamber and incubated at a temperature of 30±1°C and relative humidity greater than 90%.

The total incubation period was 28 days; during which specimens were rated periodically for development of fungal growth.

Results:

Sample	Rating of Fungal Growth				
	Day 0	Day 7	Day 14	Day 21	Day 28
10 C/S Group Acrovyn (PVC) Material (2"x2" Squares)	0	0	0	0	0
Positive controls (vinyl, paper, cork, cotton)	0	2,4,1,4	2,4,2,4	2,4,2,4	2,4,2,4
Negative controls (glass slide)	0	0	0	0	0
Inoculum viability control	0	4	4	4	4

ASTM Rating

0
1
2
3
4

Observed Growth on Specimens

None
Traces of Growth (less than 10%)
Light Growth (10-30%)
Medium Growth (30-60%)
Heavy Growth (60% to complete coverage)

REPORT OF TEST

Discussion/Conclusion:

When tested as specified, the submitted samples individually showed no development of fungal growth.



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