Acrovyn®

Fungal Resistance Testing

SGS U.S. Testing Company Inc.

291 Fairfield Avenue • Fairfield, NJ 07004-3833 • Tel: 973-575-5252 • Fax: 973-244-1823

Report Number: 116742-01
Date: 12/15/98

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:

	ATCC #
Aspergillus niger	9642
Penicillium funiculosum	11797
Chaetomium globosum	6205
Gliocladium virens	9645
Aureobasidium pullulans	15233

Prepared by:

Daniel Drozdowski
Biological Services

SIGNED FOR THE COMPANY BY:

D. Keith Goins, Ph.D.
Manager, Microbiology

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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:

	Rating of Fungal Growth				
Sample	**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	Observed Growth on Specimens
0	None
1	Traces of Growth (less than 10%)
2	Light Growth (10-30%)
3	Medium Growth (30-60%)
4	Heavy Growth (60% to complete coverage)

Discussion/Conclusion:

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