



# Buckman Laboratories International, Inc.

## Technical Service Laboratory Report

Reported by: BP/GTA

Date: 3/15/95

Company: Superior Products, Overland Park, KS

Reference No.: 107-TC-VII

Control No.: 9465

Sample Received: 1/10/95

Sample Identification: 2 Painted Steel Panels

Statement of Problem: Determine Fungal Resistance

Work Requested: Environmental Chamber Evaluation

### Report of work done:

This test was done according to ASTM D-3273-82T, which covers the evaluation of a coating's resistance to the growth of mold that might occur on its surface in a severe mold environment. The testing device was an environmental chamber kept at a constant temperature of  $90^{\circ} \pm 2^{\circ}\text{F}$  and a relative humidity of 95 to 98%. Within the chamber are dirt boxes containing soil inoculated with the following known organisms: Aspergillus niger, Aspergillus oryzae, and an unknown species of Penicillium.

The test panels were hung vertically, with the bottom approximately three inches above the surface of the inoculated soil and with sufficient spacing to allow circulation of air and to prevent contact between samples or with wall surfaces.

The attached table gives the final mold resistance ratings.

The test panels were exposed in the chamber 5 1/2 weeks.

BP

Please see important information on reverse side.

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Table

RLW # 9465

<u>Sample I.D.</u>	<u>Rating</u>
#31	9 - 8
#40	9 - 8

The test samples were evaluated according to ASTM D-3274, which are photographic reference standards that provide a numerical basis for rating the degree of fungal growth or soil and dirt accumulation on paint films.

The samples were evaluated on a scale of zero to ten, with ten indicating an absence of mold growth. A rating of eight signifies a slight amount of mold growth. A rating of six denotes a medium amount of mold growth and signifies marginal protection. Ratings of five or below indicate failure.

Please see important information on reverse side.