

# ASTM G-21

## FUNGAL RESISTANCE

### GENERAL PRINCIPLE

This test method is designed for the qualitative determination of mildew (fungus) resistance of synthetic polymeric materials, particularly the types which have been given a fungus resistant treatment.

The fungus inoculum consists of five species:

- Aspergillus niger ATCC 9642
- Aureobasidium pullulans ATCC 15233
- Chaetomium globosum ATCC 6205
- Penicillium funiculosum ATCC 11797
- Trichoderma virens ATCC 9645

After the sample is tested, measurements are calculated and reported as the Fungal Resistance.

<b>FUNGAL GROWTH RATING LEGEND</b>	<b>RATING</b>
None	0
Traces of growth (less than 10%)	1
Light growth (10-30%)	2
Medium growth (30-60%)	3
Heavy growth (60-100%)	4

### TEST RESULTS

<b>FUNGAL GROWTH RATING LEGEND</b>	<b>RATING</b>
None	0

## **INTERPRETATION OF THE RESULTS**

Sample showed fungal resistance in the ASTM G-21 test. No growth was observed on the samples.

The lower the rating the greater the fungal resistance of the NOTRAX<sup>®</sup> Matting product.

The most meaningful interpretation is to compare the Fungal Resistance test results of all NOTRAX<sup>®</sup> Floor Matting products.

All testing of NOTRAX<sup>®</sup> Floor Matting has been performed by an independent testing laboratory.