

# **ASTM D5252-98a**

## **OPERATION OF THE HEXAPOD TUMBLE DRUM TESTER**

### **GENERAL PRINCIPLE**

The test specimen is subjected to “Hexapod” tumbling in 2,000 cycle increments. A “Windsor” Versamatic upright beater bar vacuum was used to make four forward and backward passes along the length of the specimen after each 2,000 cycles.

After the requested number of cycles has been completed, the test specimen is assessed by three technicians for appearance change in accordance with the CRI standard reference scale and color change using the AATCC Grey Scale.

### **TEST RESULTS**

| <b>NUMBER OF CYCLES</b> | <b>APPEARANCE RATING</b> | <b>COLOR CHANGE RATING</b> |
|-------------------------|--------------------------|----------------------------|
| 4,000                   | 4                        | 5                          |

### **INTERPRETATION OF THE RESULTS**

The interpretation of this test consists in comparing the result “4”, with the appearance rating key, and then the “5” with the color change rating key which are:

| <b>APPEARANCE RATING KEY</b> |  |
|------------------------------|--|
| 5                            | Excellent: no visual change noticeable                                     |
| 4                            | Good: slight change due to pile disturbance                                |
| 3                            | Fair: Noticeable change due to pile disturbance or matting                 |
| 2                            | Poor: loss of texture and thickness due to pile disturbance and/or matting |
| 1                            | Very Poor: Severe pile disturbance and/or matting                          |
| <b>COLOR CHANGE RATING</b>   |  |
| 5                            | No change  |
| 4                            | Slight changes   |
| 3                            | Noticeable change  |
| 2                            | Considerable change  |
| 1                            | Severe change  |

In this case the specimen has got a very high quality, because its appearance rating is 4 and its color change rating is 5.

The most meaningful interpretation is to compare the Operation of the Hexapod Tumble Drum Test. Strength results of all NOTRAX® Industrial Floor Matting products.

All testing of NOTRAX® Floor Matting has been performed by an independent testing laboratory.