



## TEST REPORT

DATE: 04/12/2008

TEST NUMBER: 113474

|        |                 |
|--------|-----------------|
| CLIENT | Masland Carpets |
|--------|-----------------|

|                       |                                             |
|-----------------------|---------------------------------------------|
| TEST METHOD CONDUCTED | Aachen - (Dimensional Stability Evaluation) |
|-----------------------|---------------------------------------------|

| DESCRIPTION OF TEST SAMPLE |                       |
|----------------------------|-----------------------|
| IDENTIFICATION             | T423 Brush Strokes    |
| COLOR                      | 04201 Batik           |
| ROLL                       | -----                 |
| CONSTRUCTION               | Multi-Level Loop Pile |
| FIBER                      | -----                 |
| BACKING                    | TL                    |
| REFERENCE                  |                       |

### GENERAL PRINCIPLE

This test is designed to examine dimensional changes in textile floor coverings due to various conditions of heat and moisture. Measurements are taken in the length and cross directions of the test sample after each treatment. A change in the dimension of the test sample is calculated as a percentage of the original preconditioned sample measurement. Shrinkage is indicated by a negative quotation while expansion is indicated by a positive quotation.

### TEST RESULTS

|                 | Measurement | Percent |                 | Measurement | Percent |
|-----------------|-------------|---------|-----------------|-------------|---------|
| M <sub>0</sub>  | 24.0125     | -----   | C <sub>0</sub>  | 24.0360     | -----   |
| M <sub>T1</sub> | 24.0025     | -0.042% | C <sub>T1</sub> | 24.0270     | -0.037% |
| M <sub>T2</sub> | 24.0035     | -0.037% | C <sub>T2</sub> | 24.0245     | -0.048% |
| M <sub>T3</sub> | 24.0055     | -0.029% | C <sub>T3</sub> | 24.0315     | -0.019% |
| M <sub>T4</sub> | 24.0095     | -0.012% | C <sub>T4</sub> | 24.0305     | -0.023% |

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| M <sub>0</sub> | Original measurement in machine direction                        |
| C <sub>0</sub> | Original measurement in cross direction                          |
| T <sub>1</sub> | Two hours in drying oven at 60° C                                |
| T <sub>2</sub> | Two hours submerged in 0.1% detergent solution at 20°C           |
| T <sub>3</sub> | Twenty four hours in drying oven at 60°C                         |
| T <sub>4</sub> | Forty eight hours conditioning at 20°C and 65% relative humidity |

|                                  |             |
|----------------------------------|-------------|
| AVERAGE CHANGE MACHINE DIRECTION | -0.007 Inch |
| AVERAGE CHANGE CROSS DIRECTION   | -0.008 Inch |

APPROVED BY: \_\_\_\_\_

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