



Laboratory Accreditation Bureau

Certificate of Accreditation

ISO/IEC 17025:1999

Certificate Number L2121

**Southern Mills, Inc.
6501 Mall Boulevard
Union City, GA 30291 USA**

has been accredited for technical competence in the major fields and related disciplines on the approved scope of accreditation. They have met the requirements set forth in L-A-B's policies and procedures, and all requirements of ISO/IEC 17025:1999 "General Requirements for the competence of Testing and Calibration Laboratories."

Accreditation effective July 6, 2005 and valid through July 6, 2008

Peter B. Lake
Executive Director

R. Douglas Leonard, Jr., Chief Technical Officer
Laboratory Accreditation Bureau



Scope of Accreditation For Southern Mills, Inc

6501 Mall Blvd
Union City, GA 30291
Lorie Gross
770-306-4231

In recognition of a successful assessment to ISO/IEC 17025:1999, accreditation is granted to **Southern Mills, Inc.** to perform the following Tests:

Accreditation granted through: **July 6, 2008**

Testing

| Technology | Range, when necessary | Methods Used | Product Types | Remarks |
|------------------------------------|-----------------------|--|--|---------|
| Breaking Strength | | NFPA 1971 Section 6-50 NFPA 1951 Section 8.8 ASTM D 5034 | Woven, Non-woven Fabric, yarn | |
| Home & Industrial Washers & Dryers | | NFPA 1971 Section 6-25 NFPA 1977 Section 8.7 NFPA 1951 Section 8.10 NFPA 2112 Section 8.1.3 NFPA 1975 Section 8.3 ASTM F 1506 Section 7.7.5 AATCC 135 | Woven, Non-woven and laminated products | |
| Vertical Flammability | | NFPA 1971 Section 6-2 NFPA 1975 Section 8.3 NFPA 2112 Section 8.3 ASTM F 1506 Section 7.7.6 NFPA 1951 Section 8.4 ASTM D 6413 FTMS 191A, Method 5903.1 | Woven, Non-woven and laminated products | |
| Thermal Protective Performance | | NFPA 1971 Section 6-10 NFPA 2112 Section 8.2 | Woven, Non-woven And laminated products | |



| Technology | Range, when necessary | Methods Used | Product Types | Remarks |
|---------------------------------------|-----------------------|--|--|---------|
| Thermal Shrinkage and Heat Resistance | | NFPA 1971 Section 6-6 NFPA 1975 Section 8.2 NFPA 1977 Section 8.4 NFPA 2112 Section 8.4 NFPA 1951 Section 8.5 | Woven, Non-woven And laminated products | |
| Water Absorption | | NFPA 1971 Section 6-26 FTMS 191A, Method 5504 | Woven products | |
| Water Spray | | NFPA 1951 Section 8.13 AATCC 22 | Woven products | |
| Colorfastness to Laundering | | ASTM F 1506 Section 7.7.4.1 AATCC Method 61, IIA | Woven products | |
| Colorfastness to Xenon Light | | CGSB 155.1 Section 5.1.6.1 CAN/CGSB-4.2 No. 18.3 105BO2 | Woven products | |
| CGSB Flame | | CGSB 155.1 Section 6.2.2 CAN/CGSB-4.2 NO.27.10 | Woven and Non-woven products | |
| Hydrostatic Test | | NFPA 1971 Section 6-27 FTMS 191A, Method 5512 | Laminated products | |
| Chemical penetration | | NFPA 1971 Section 6-28.7 NFPA 1951 Section 8.17 ASTM F 903 | Laminated Products | |
| Thermal Stability Test One | | NFPA 1975 Section 8.3 ASTM D 751 | Woven fabrics | |
| Elmendorf Tear | | ASTM F 1506 Section 7.7.2 NFPA 1977 Section 8.6 ASTM D 1424 | Woven products | |
| Total Heat Loss | | NFPA 1971 Section 6-34 NFPA 1977 Section 8.5 NFPA 1951 Section 8.6 ASTM F 1868 | Woven, Non-woven laminated products | |
| Radiant Protective Performance | | NFPA 1977 Section 8.2 NFPA 1951 Section 8.2 ASTM F 1939 | Woven products | |
| Seam Slippage | | ASTM F 1506 Section 7.7.3 ASTM D 434 | Woven products | |
| Trapezoid Tear | | CGSB 155.1 Section 5.1.6.1 CAN/CGSB-4.2 No. 46/ISO 105-A02 NFPA 1971 Section 6-12 NFPA 1951 Section 8.7 ASTM D 5733 | Woven, Non-woven and laminated products | |



| Technology | Range, when necessary | Methods Used | Product Types | Remarks |
|---------------------------|-----------------------|---|----------------|---------|
| Static Decay | | MIL-C-83249B paragraph 3.8.1 FTMS 191A, Method 5931 | Woven products | |
| Colorfastness to Crocking | | AATCC 8 | Woven products | |

Notes:

- 1) This laboratory does not offer commercial testing service.
- 2) Standard Atmospheric conditions for testing are 65-75°F and 61.75-68.25% relative humidity and are maintained at all times in the physical lab, wet lab, and hood room, in order to obtain reproducible test results.

Approved by: _____

R. Douglas Leonard
Chief Technical Officer

Date: July 7, 2005

Issued: 7/7/05