

## Standard Laminate Flooring Testing According to NALFA LF-01-2003 Conformance Testing

NCSU has been working with the laminate flooring industry providing product testing and developing and evaluating test methods and standards. We can run the full series of NALFA LF-01 required tests or selected tests. Specimen preparation is normally done in our lab (please inquire for particulars).

SPONSOR will be billed for materials and actual hours worked, (not to exceed the estimated cost without written authorization – standard lab rate is \$67/hr), invoiced at time of delivery of final report, payable in full net 30 days (in US funds drawn on a US bank).

**IMPORTANT: A FULLY EXECUTED ANALYSIS AND TESTING AGREEMENT MUST BE COMPLETED FOR ANY TESTING WORK ESTIMATED OVER \$1000.**

### IMPORTANT

- These tests are conducted according to the procedures described in NALFA standards LF-01-2003 except where noted.
- The NALFA LF-01-2003 test procedures and standards are designed for laminate flooring, and their use with other products may produce misleading or irrelevant results.
- We do not certify a manufacturer's laminate flooring. We report only on the results of a given sample of laminate flooring which has been submitted to our laboratory.
- The name of the University is not to be used in any type of advertising or promotional efforts.
- We have undertaken laminate flooring testing as an independent testing laboratory largely as a service to the laminate flooring industry. However, our main purpose is that of education and research, which means that we cannot always respond quickly to requests for testing.

Initiation of a testing project requires written authorization to do the work, including description of the tests required, list of materials submitted, and full contact information for report submission and billing (name, address, phone, FAX, email if available). A fully executed University Analysis and Testing Agreement (ATA) must be completed for projects estimated at over \$1000 US. (When I have a written description of the project [tests and materials] and the proper contact information, I can submit the project to the Associate Dean of Research for processing of the ATA.)

Cost estimates covering testing typical laminate flooring to NALFA LF-01-2003 minimum values follow. Please note that some tests list a cost for setup/run which covers time for equipment setup and calibration for a run of between 1 and 10 materials (ex. Light resistance: 1 material = \$300 + \$30 = \$330, 10 materials = \$300 + 10(\$30) = \$600 – this covers actual test cost only). Cost for correspondence, clerical, report generation, etc. is covered under 'report' and must be included in each project.

NALFA requires full manufacturer and product identification to be submitted with the test report to be considered for NALFA certification. Please be sure to provide full manufacturer information (Company Name, address, phone, FAX, contact individual) and complete product identification/description if you intend to use the test results for NALFA certification.

# NALFA LF-01-2003 Conformance Testing

cost estimate for testing to NALFA LF-01-2003 minimums  
(breakdown for individual tests and multiple products run at the same time)

		RESIDENTIAL				LIGHT COMMERCIAL				COMMERCIAL			
		setup/run	per-samp	# products	Cost = setup+num X(per samp)	setup/run	per-samp	# products	Cost = setup+num X(per samp)	setup/run	per-samp	# products	Cost = setup+num X(per samp)
LF3.1	Static Load		\$190			\$190				\$190			
LF3.2	Thickness Swell	\$40	\$190		\$40	\$190			\$40	\$190			
LF3.3	Light Resistance	\$300	\$40		\$300	\$40			\$300	\$40			
LF3.4	Cleanability/Stain	\$75	\$75		\$75	\$75			\$75	\$75			
LF3.5	Large Ball Impact		\$40			\$40				\$40			
LF3.6	Small Ball (Dart) Impact		\$40			\$40				\$40			
LF3.8	Wear	\$60	\$160		\$60	\$200			\$60	\$300			
LF3.9	Dimensional Tolerance	\$75	\$190		\$75	\$190			\$75	\$190			
LF3.10	Castor Chair		\$300			\$300				\$300			
	<i>Report(required)</i>	\$120	\$40		\$120	\$40			\$120	\$40			
		Estimated Cost for \$ series:-				Estimated Cost for \$ series:-				Estimated Cost for \$ series:-			

**Sponsor contact info:**

Name:.....  
 Company:.....  
 Address:.....  
 .....  
 City, St, zip.....  
 Phone.....  
 FAX.....  
 Email.....

**Billing info:**

Name:.....  
 Company:.....  
 Address:.....  
 .....  
 City, St, zip.....  
 Phone.....  
 FAX.....  
 Email.....

**Samples should be sent to:**

Dr. C. A. LaPasha  
 rm 110 Hodges Wood Products Lab  
 411 Dan Allen Dr. // campus box 8005  
 Department of Wood & Paper Science  
 North Carolina State University  
 Raleigh, NC 27695-8005 USA

**Correspondence should be sent to:**

Dr. C. A. LaPasha  
 campus box 8005  
 Department of Wood & Paper Science  
 North Carolina State University  
 Raleigh, NC 27695-8005 USA  
 FAX: 919-513-3496 or 919-515-6302  
 Tel: 919-515-2850 email: [calfor@unity.ncsu.edu](mailto:calfor@unity.ncsu.edu)  
<http://www4.ncsu.edu/~calfor/wp/LamLab.html>

Information about NALFA and the NALFA LF-01-2003 Standard is available from: David P. Goch, Webster, Chamberlain & Bean, 1747 Pennsylvania Ave., N.W., Washington, D.C. 20006 USA, Phone: 202-785-9500, FAX: 202-835-0243, [dgoch@wc-b.com](mailto:dgoch@wc-b.com), current standard available for free download at the NALFA website <http://www.nalfa.com>