

**NC Department of Insurance
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Performance Test Requirements for Type I Hoods

Code: 2012 Mechanical Code
Section: 507.16, 507.16.1, 507.16.2

Date: September 1, 2011

Question:

What are the performance test requirements for a Type I hood?

Answer:

Section 507.16 requires a performance test for Type I and Type II hoods. The testing for a Type I hood shall verify the makeup and exhaust air flow, proper operation, and capture and containment performance of the exhaust system. The field test shall be conducted with all appliances under the hood at operating temperatures, with all sources of outdoor air providing make-up air for the hood operating, and with all sources of recirculated air providing conditioning for the space in which the hood is located operating. Capture and containment shall be verified visually by observing smoke or steam produced by actual or simulated cooking, such as with smoke candles, smoke puffers, etc. The test shall be witnessed by the code official or at the code official's option by a professional engineer who shall provide certification of performance to the code official.

Keywords:

Hood performance test