

# Application Instructions for Flamecheck™ M-111



## DIRECTIONS FOR USE:

**Flamecheck M-111** is a universal flame-retardant spray for most fabrics (natural, synthetic and blends), paper, wood, foam rubber, and much more. Flamecheck™ M-111 is non-toxic, non-allergenic and environmentally friendly.

**Application Instructions:** Spray onto absorbent material with a light mist. Allow to dry. Test and repeat application if needed. Heavy fabric or synthetic materials may require several light sprays to pass NFPA 701 field test. An effective treatment can be up to 20% add on, on dry weight of fabric. Always test to verify your application is successful.

**Coverage:** 300-600 sq. ft. per gallon. Do not dilute.

**Tools:** Large jobs use an airless spray gun. Smaller applications use a garden pump sprayer or hand sprayer. Dip and squeeze for fabric finishing mills.

**Surface Prep:** Material should be clean and dry, free from grease. Test for colorfastness.

**Safety:** Use common sense precautions, dust mask, eye protection, rubber gloves/apron. Cover Electrical devices, and heating and cooling vents.

**Dry time:** Same as water depending on temperature and humidity.

**Certification:** May require application by a certified applicator; CA, NY, MA.

**Test:** Fabrics use NFPA 701 field test (12 second vertical flame test). Retest and retreat every 3-5 years or after washing/dry cleaning. For wood, use a propane torch (15 seconds) on a test piece to verify that your application does not support any flame spread and self-extinguishes when flame is removed.

**Flamecheck M-111** works differently than other flame retardants by creating a melamine carbon shield. The melamine carbon shield pulls the molecules together which create a barrier that reflects the heat away and stops the flame spread. Treated items may change color when hit by temperatures higher than 300°.

**Disclaimer:** Flamecheck makes no guarantee, nor any express or implied warranty of merchantability or fitness for a particular use regarding the suitability of this product for any particular purpose or use, nor does it assume any liability arising out of the application or mis-use of this product. Application techniques vary; therefore, it is the end user's responsibility to test and verify the application techniques and suitability of this product for the intended use. Always test after application. **Flamecheck International LLC** only warrants the quality control of this product. For the complete disclaimer regarding this product, visit [www.flamecheck.com](http://www.flamecheck.com).  
**Keep out of the reach of children.** Ingestion of this product, or contact with eyes or skin, can result in serious injury. Use in a well-ventilated area. If swallowed **CONTACT A MEDICAL PROFESSIONAL IMMEDIATELY.** Contact with eyes or skin, flush with copious amounts of water for 15 minutes. If irritation persists, seek medical attention. Never give anything by mouth to an unconscious person.



## Flame Retardant Spray

Flamecheck M-111 meets or exceeds a "Class A" finish when properly applied for these test standards:

- ✓ NFPA 701-705
- ✓ CA Title 19
- ✓ ASTM E-84
- ✓ ASTM E-648
- ✓ NFPA 253
- ✓ NFPA 255
- ✓ UL 723
- ✓ FAA 25.853B
- ✓ UBC 42-1
- ✓ M.V.S.S. 302
- ✓ N.Y. bulletin #44
- ✓ BFD IX-1



Manufactured by:  
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REFER TO OUR WEBSITE AT [www.flamecheck.com](http://www.flamecheck.com) FOR ADDITIONAL IMPORTANT INFORMATION.

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