

Flamecheck™ M-111 Fire Retardant Spray: Product Data Sheet



Flamecheck™ M-111 is easy to apply on these absorbent surfaces:

- Fabric (natural, synthetic and blends)
- Curtains & Draperies
- Carpeting
- Flags & Banners
- Costumes
- Props
- Backdrops
- Rope
- Decorations
- Polystyrene
- Foam Rubber
- Dried & Silk Flowers
- Wood & Straw
- Christmas Trees
- And much more...

Flamecheck™ M-111 is a universal fire-retardant spray with a “Class A” fire rating. **Flamecheck™ M-111** is a water-based fire-retardant treatment that is non-toxic, non-allergenic, non-corrosive, non-bioavailable, non-odorous (when dry) and environmentally friendly.

Flamecheck™ M-111 works by creating a melamine carbon shield which pulls the molecules together and reflects the heat and stops the spread of flame.

Application: Small applications can use a hand or garden sprayer. Large applications use an airless paint sprayer. Dip & squeeze for fabric mills. Let dry, test and repeat if necessary. Do not dilute.

Coverage: 300-600 sq. ft. per gallon. Apply two coats.

Fabric: Can be used on fine silk or delicate fabrics using a very light mist. Synthetic fabrics may require 2-3 very light coats. Test for colorfastness. Maintains the hand of the fabric treated.

Wood: Wood must be absorbent. Apply two coats and test. Can be used in outdoor settings that are subject to the weather, it is recommended to test every year. Re-application may be required.

If the item being treated is not absorbent, then **Flamecheck M-111** is not a suitable product to use.

Total Solids:	19%
Relative Density:	1.10
Average pH:	5.4-6.4
Color:	Clear pale yellow
Dries:	Clear / Non-odorous
Smell:	Light lemon scent
Bacterial/Fungus:	Good resistance
Volatility/VOC:	None / 0lb/G1
Toxic:	Non-toxic LD50>5000 Class V
Bio-degradable:	Yes
Boiling Point:	>110°C
Evaporation Point:	As water
Solubility in Water:	Miscible in all proportions
Viscosity:	Non-viscose
Flammability/Flash Point:	None
Shelf Life:	Unlimited in a sealed containers
State at room temperature:	Liquid
Corrosive:	Non-corrosive on un-plated mild steel
Linear shrinkage:	None



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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Made in the USA