

MAINSTAGE THEATRICAL SUPPLY, INC. • www.mainstage.com
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Lighting • Dimming • Curtain • Track • Rigging • Stage, Studio & Production Supplies

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Established 1981



MainStage

Curtain Flame Testing
and Certification

NFPA Compliant Curtain
Manufacture

Search and Rescue
Training equipment

Flame Retardant
Materials

MainStage has serviced the entertainment industry for over 30 years. We offer advice on the appropriate methods and products available to meet the applicable industry fire codes. We sell flame resistant fabrics, flame proofing treatments for fabrics, wood and paints as well as custom manufactured curtains.

Treating Scenery & Fabrics for Flame Retardance with Rosco Flamex Products

- **DF** - Delicate Fabric Flame Retardant is a gentle solution that maintains the soft qualities of delicate fabrics while still providing a safe and secure flame treatment.
- **NF** - Natural Fiber Flame Retardant is used on natural fabric materials such as velours, wools, cotton and muslin. Your best solution for insuring scenery and props meet local fire regulations.
- **SF** - Synthetic Fabric Flame Retardant is a penetrating treatment that bonds to the surface of threads deep within the weave of materials. Use on polyesters, nylons, acrylics and rayons.
- **PC** - Paper and Cardboard Flame Retardant was formulated specifically to treat the many paper products commonly used in props and scenery construction.
- **WD** - Raw Wood Penetrating Flame Retardant treats wood and cellulosic materials such as plywood, sheet goods, acoustical tile and other common materials.
- **PA** - Paint Additive Flame Retardant is added to water based paint. Compatible with most latex or vinyl acrylic paints.

MainStage offers a field-testing and retagging service for stage draperies as well as replacement of curtains that have failed. We can also recommend the appropriate flame-treating product to protect temporary stage scenery and props. Feel free to use us as resource for fire protection questions about entertainment facilities.

NFPA 701 is the national fire code that covers many of the fabrics used in theaters and entertainment facilities. Most state and local building codes reference this for the curtain products included in projects that are under new construction. The flame treatment applied to those fabrics can degrade through multiple dry cleanings or environmental affects. If the fabrics used were not inherently flame-resistant the curtains should be properly tagged with an initial date for retesting and requirement for continual testing each year thereafter.



NFPA 705 describes a procedure for field-testing these fabrics. In brief, the procedure entails lighting a wooden match or similar device, and suspending the fabric ½” above the bottom of the flame. After 12 seconds of exposure to the flame it is to be removed from sample. During exposure, flaming should not spread in excess of 4”. There should be not more than 2 seconds of after-flame. Materials that drip flaming particles should be rejected if the materials continue to burn after they reach the floor.

Search and Rescue Training Equipment

- **Rosco’s Vapour:** Engineered for peak performance, solid reliability and ease of maintenance.
- **Rosco’s Vapour Plus:** The Vapour and then some, this fogger can fill the largest venues.
- **Rosco’s Mini-V:** Compact, affordable and reliable for smaller spaces requiring continuous output.
- **Rosco’s V-Hazer:** Consistent and smooth haze, hanging for hours with only minimal replenishment.
- **Rosco’s Fluids:** Non-toxic fog and haze fluids, created for Rosco machines, capable of producing a wide arrange of effects.

