

Life Safety, Accessibility, Design Freedom

U.S. SMOKE & FIRE Museum Shield™

Cultural property protection for high value items in museums, zoos and libraries. Fail Safe design. Hidden protection you always know is there.



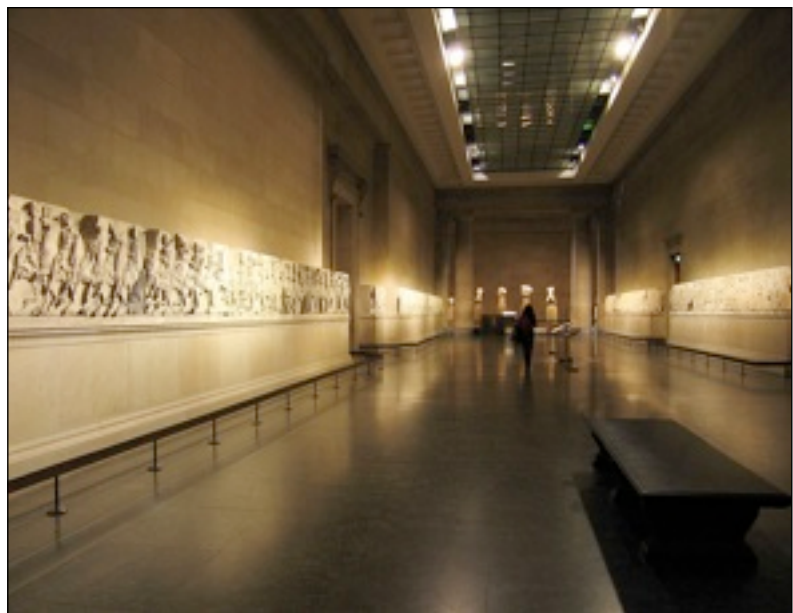
US Smoke & Fire Curtain LLC provides a robust and effective means of achieving smoke and fire protection for museum and other high-value, cultural property protection applications, such as libraries and zoos.

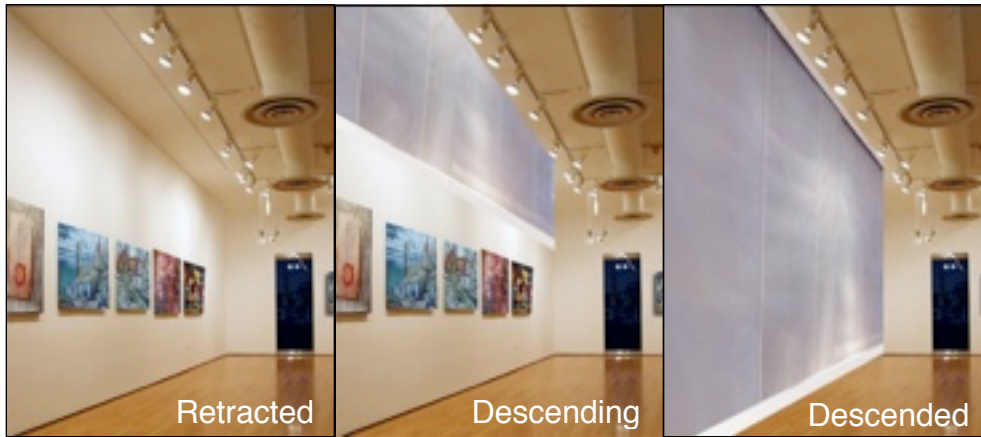
Our gravity fail-safe fire curtains have market-leading features and meet demanding specifications, yet offer a cost-effective and flexible solution to fire and smoke control and are UL listed as an opening protective. Our exclusive light-weight curtain material is UL Listed, Fire Rated at 1800°F for one or two hours, and offers an optional smoke seal rating carrying the UL S label.

Under normal conditions our Museum Shield™ and Fire Curtains are retracted in a steel head box hidden from view in the ceiling. Upon receipt of a signal from the fire alarm system, or the complete loss of power or communication, the system descends by gravity. Thus deployment is Gravity Fail Safe and does not require battery-backup to descend. Our Fire Curtain systems integrate with existing fire and alarm systems and provide Fail Safe Deployment. In the event the main power or the back-up generator fails, our Fire Curtains will independently deploy.

Fire Curtain Features:

- Smoke and Fire Protection in One Solution: UL Listed opening protective for 1 or 2 hour fire rating
- UL 10B, 10D, UL S Label
- Advanced & Mature Technology
- Controlled Descent
- Lightweight, easy to lift by hand
- Installs Compactly Overhead—as little as 6” of ceiling headroom
- Available in Sizes up to 90 feet wide x 42 feet high
- Low Life Cycle Cost
- Fail Safe Design
- Battery Back-up standard, NOT Required for Gravity Fail Safe Deployment





Installation at the British Museum, London

The curtain fabric has a “Panama” weave which offers a more even surface and allows a tighter interlacing of the fabric edges.

The tensile strength of Panama weave fabric is 10% greater than other fabrics due to the constant thread tension.

ART MUSEUM

Art museums are a perfect application for Museum Shield™ Fire Curtain protection. With 1 and 2 hour ratings, our curtains can protect high-value pieces in place during a fire, while simultaneously protecting from smoke damage. The design-conscious installation is easily installed above the finished ceiling in as little as 6” of headroom, and can be concealed from view using a 2” shadow gap. When a fire is detected, the curtains will automatically descend, covering the artwork in place. The Museum Shield™ can also be easily retrofitted in existing gallery spaces. Our Museum Shield™ Fire Curtain is tested technology, and is trusted to the extent that it has been installed in the British Museum in London.



ZOO

If a fire starts in a zoo, evacuating all of the wildlife in a timely manner is not an option. The only way to ensure the protection of the animals is to protect them in place, in their exhibits. The Museum Shield™ is just as effective in a zoo scenario as it is in an art gallery. The Fire Curtain will descend in front of the exhibit space, sealing the animals off from the life-threatening dangers of smoke and fire.



LIBRARIES

Libraries across the country contain a treasure-trove of valuable, and in some cases, priceless or even irreplaceable volumes of books. What’s more, books’ flammable nature make them highly susceptible to destruction in a fire. A Museum Shield™ Fire Curtain installed overhead of each shelf stack can ensure the longevity of a library’s collection. The curtains can even be installed inside a faceted head box allowing us to form a curve profile using separate rollers.

