



Smoke and Fire Curtains

CASE STUDY | FIRE CURTAINS TO PROTECT ART AND HISTORY

- Project:** International Museum of The Baroque
- Location:** Puebla de Zaragoza, México
- Client:** Hermes Infraestructura Group
- Product:** Automatic Fire Rated Curtain FA
- Application:** Opening Protective



Brief:

The International Museum of the Baroque is a mind-bending tribute to the Baroque that includes eleven exhibition galleries. The building dazzles with its magnificent design. Located in Puebla, the museum integrates sustainable and innovative building elements. The museum's most striking feature is its wavy forms where light and shadows generate movement inside the building.

**Objective:**

Divide the museum into 7 zones with Fire Curtains to protect exhibits, workshops, and invaluable cultural heritage of the museum:

- 1 Create a smoke barrier between the exhibition hall and the ground floor stairs
- 2 Compartmentalize the museum shop area
- 3 Create a smoke separation between the entrance and the Exhibition Hall 1
- 4 Divide the hall in front of the restoration workshop and the stairs upstairs
- 5 Divide the Cultural Diffusion Room and the staircase
- 6 Create a 2-hour smoke barrier between the Collection Warehouse and the Restoration Workshop
- 7 Create a fire barrier between the Cultural Division Hall and the International Meeting Hall
- 8 Create fire compartmentation between the paint and varnish area

Challenge:

Design a smoke protection system that adapts to the curves and irregular shapes of an open space building without affecting its design.

Solution:

Open floor plans are very popular these days; however, they pose a challenge for fire protection compared to buildings with more partitioning. Fire Curtain Technologies produced a solution that integrated with bold design without over intrusion.